



**ELON COLLEGE LIBRARY**



**Elon College, North Carolina**


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# ELON COLLEGE



A Place of  
Infinite  
Possibilities

Academic  
Catalog  
1984-1985

# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

**President**

General information

**Vice President for Academic and Student Affairs**

Academic and student affairs policy

Long-range planning

**Dean of Academic Affairs**

Academic program

Academic work of students in college

Faculty positions

Special programs

**Dean of Admissions and Financial Aid**

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loan funds, and work jobs

**Dean of Student Affairs**

Housing

Student affairs

**Vice President for Administrative Services**

Payment of student accounts

Inquiries concerning expenses

**Vice President for Development**

Public relations

Contributions, gifts or bequests

Estate planning

**Director of Career Planning and Placement**

Career options for students

Employment of seniors and alumni

**Registrar**

Requests for transcripts

Evaluation of transfer credits

Student educational records

**Director of Alumni and Parent Relations**

Alumni affairs

Parent relations

# Elon College

## 1984-85

Elon College / North Carolina 27244

Telephone 919-584-9711

*MS-ell*

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Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs.

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# Calendar

## Fall Semester 1984

September 2 (Sun.)	Orientation
September 3 (Mon.)	Orientation; Evening School Registration
September 4 (Tues.)	Registration
September 5 (Wed.)	Drop-Add Day; Evening Classes Begin
September 6 (Thurs.)	Day Classes Begin
September 11 (Tues.)	Last Day for Late Registration
October 22 (Mon.)	Mid-semester Reports Due
November 2 (Fri.)	Last Day to Remove Incomplete ("I") Grades
November 7 (Wed.)	Preregistration Begins for Winter Term and Spring Semester 1985
November 21 (Wed.)	Thanksgiving Holiday Begins at Close of Afternoon Classes
November 26 (Mon.)	Thanksgiving Holiday Ends at 8:00 a.m.
December 7 (Fri.)	Classes End
December 10-13 (Mon.-Thurs.)	Examinations

## Winter Term 1985

January 2 (Wed.)	Registration
January 3 (Thurs.)	Classes Begin
January 24 (Thurs.)	Examinations

## Spring Semester 1985

January 29 (Tues.)	Registration
January 30 (Wed.)	Drop-Add Day; Evening Classes Begin
January 31 (Thurs.)	Day Classes Begin
February 5 (Tues.)	Last Day for Late Registration
March 18 (Mon.)	Mid-semester Reports Due
March 25 (Mon.)	Preregistration Begins for Summer School and Fall Semester 1985
April 5 (Fri.)	Spring Vacation Begins at Close of Afternoon Classes; Last Day to Remove Incomplete ("I") Grades
April 15 (Mon.)	Spring Vacation Ends at 8:00 a.m.
May 10 (Fri.)	Classes End
May 11-15 (Sat.-Wed.)	Examinations
May 19 (Sun.)	Commencement; Last Day of School

## Summer School 1985

First Term: June 3 — July 5  
Second Term: July 8 — August 9



## Introduction to Elon



Elon College is a coeducational, residential, church-related college on a beautiful campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. “Elon” is the Hebrew name for “oak,” and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the great intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantage of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon’s 2,715 undergraduates come from 29 states and a number of foreign countries. Slightly more than half of the students are men, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon’s faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.



**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of man's cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, career internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

### **Academic Calendar**

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study-abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, plus providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

The College offers workshops and seminars throughout the year.

A full schedule of evening and weekend classes provides maximum flexibility for students.

A wide variety of non-credit courses is offered throughout the year by the Office of Continuing Education.

### **History**

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 at Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, includ-



ing Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollments increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. The faculty increased to more than 100, teaching in 29 major fields offering four baccalaureate and two associate degrees. In fall 1984 the College began offering a masters degree in Business Administration. Elon's seven presidents have provided the leadership essential for this progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

## **The Mission of Elon College**

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both personal life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the Charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college career.
5. A basic knowledge in the humanities, natural sciences, and social

sciences, and an appreciation of the mutual relationships existing among these areas.

6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.

7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.

8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.

9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.

10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

### **Accreditation**

Elon College is accredited by the Southern Association of Colleges and Schools. Several departmental programs, including Education, Cytotechnology and Medical Laboratory Technician are accredited by the appropriate state or national agencies. Elon College is a member of the following:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

### **Campus and Buildings**

The Elon campus is beautiful, spacious, and rich in stalwart native oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including three new dormitories completed in 1982, a new fountain, plaza area and extensive landscaping.

Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Student Center, Iris Holt McEwen Library, Harper Center, and twelve residence halls have been constructed since 1956. Completed in 1970 were a new office-classroom building and a new physical education facility, which includes an Olympic-size swimming pool. The present living and dining facilities serve a resident student body of approximately 1,400.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance

Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

*John W. Barney Hall* houses 54 men students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 men students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building*, renovated in the summer of 1973, was the gift of three trustees of the College, P. J. Carlton, H. A. Carlton and L. E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses the fine arts department, classrooms, a rehearsal hall, and faculty offices.

*Carolina Hall*, erected in 1956, houses 126 women students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 men. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence, Jr., a member of the class of 1942, and his wife, Luvane Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Crumpton Center*, beautiful old plantation and former home of trustee Dr. J. L. Crumpton, located 35 miles from campus, was donated in 1974 by Dr. and Mrs. Crumpton, both alumni of the College. The Center is used by faculty, trustees and students for seminars, retreats, workshops and special meetings.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J. B. Duke and B. N. Duke contributed to the cost of erecting this building, which was renovated in 1966.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*Fraternities and Sororities* are housed in several off-campus residences owned by the College.

*A. L. Hook Hall*, housing 48 men students, was named for Dr. A. L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck Olympic-size swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, the health service, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game rooms. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 114 women. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James I. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is a banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 150,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

The Spence Collection, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr. by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Isaac Mooney. This building, remodeled in 1967, houses faculty offices, classrooms, the Learning Resources Center, and a recital hall.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb



Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Building*, located near the Harper Center, houses men students.

*The Oaks*, built in 1980 and 1984, houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge, and laundry facilities.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*The Power Plant* provides heat for the entire College.

*The President's Home*, constructed in 1963, is located at 301 East Haggard Avenue.

*Sloan Hall*, a three-story brick structure housing 80 men students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 men students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall*, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 200 men, and Moffitt Hall 100 women. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 80 women students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Sixty-eight women students are housed on the second and third floors.

*Whitley Memorial Auditorium*, extensively renovated in 1972, has a seating capacity of approximately 500. Teaching and practice studios of the Fine Arts Department are located in the rear of this building.

## Visitor's Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8 a.m. until 5 p.m. The admissions office is also open on Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

## Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to

Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services at Greensboro. It is also served by Carolina Trailways and Greyhound, which afford bus service to all parts of the country. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.



## ACADEMIC PROGRAM



The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

### Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degree of Master of Business Administration and the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Applied Arts, Bachelor of Applied Science, Associate in Arts and Associate in Science.

The *Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The principal objective of the M.B.A. program is to produce excellent general managers. For detailed information concerning the graduate program please contact the Admissions Office of Elon College.

The *Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Computer Information Science, Economics, Education (Elementary, Middle Grades, Secondary—several subject areas), English, Foreign Languages, History, Human Services, Journalism-English, Mathematics, Music, General Music, Office Administration, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

The *Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance or Marketing), Cytotechnology, Medical Laboratory Technician, Music Education, Physical Education and Health (Teacher Certification, Community Recreation, or Commercial Leisure and Sports Management).

The *Bachelor of Applied Arts* and *Bachelor of Applied Science* degrees offer graduates of two-year technical or vocational programs from accredited community colleges or technical institutes direct transfer of up to 65 semester hours of work. Elon College provides the general studies requirements for the bachelor's degree. Elon College offers a special program leading to the Bachelor of Applied Science degree in Radiologic Technology.

The *Associate in Arts* degree is awarded in Office Administration. The *Associate in Science* degree is awarded in Cytotechnology and Medical Laboratory Technician.

### **Minor Fields of Concentration**

Candidates for the bachelor's degree may elect to complete a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Communications (Journalism), Communications (Broadcasting), Computer Information Science, Dance, Economics, Education, Special Education, English, Foreign Languages, Geography, History, American History, European History, Mathematics, Music, Office Administration, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Recreation, Religion, Sociology and Spanish.

### **General Studies**

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct and graceful English prose, and (3) to use methods of computation and understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.



## **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

## **Experiential Education**

Elon College strongly supports programs which allow students to relate their classroom learning to a work experience. An active cooperative education and internship program provides opportunities throughout the academic year and during summers for students to test career objectives, to integrate theory with practice and to examine future job possibilities.

Internships may be developed through the academic departments. Positions are directly related to majors, may be full or part time, and are usually supervised by Elon faculty. Departments which require internships of their majors include Education, Human Services and Journalism-English. Internships are frequent in the fields of Communications (radio broadcasting), Community Recreation, History and Public Administration.

Cooperative Education at Elon is designed to meet student needs. Some positions involve alternating terms of work and study beginning in the second half of the sophomore year and continuing through graduation. Other co-op positions involve several terms in a part-time job. Students are placed in positions which offer pay and opportunities for increasing responsibility. For more information, students should contact the Director of Cooperative Education.

## **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism-English, Human Services, Public Administration, Computer Information Science, Cytotechnology and Medical Laboratory Technician. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

## **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

## **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly

and concisely both orally and in writing. A number of majors at Elon provide background for admission to law school.

### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

### **Premministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.

## **Special Academic Programs**

Elon College offers various programs for those people with special needs and qualifications.

### **Academic Honors Program**

- Provides opportunity for academically talented students.
- Develops Academic Enrichment and Honors Courses.
- Allows enrollment by academic performance and interest.
- Assists students interested in graduate study.

### **Academic Development Program**

- Assists students in understanding the basic concepts of reading, mathematics and communication skills.
- Gives small group instruction.
- Offers individual assistance by tutors and self-paced programs through the Learning Resources Center.

### **College Programs**

All students are encouraged to attend programs for cultural and intellectual enrichment offered on the campus. Students who register for College Programs and attend a minimum of 20 approved events per year earn one

semester hour with a P grade. No tuition is charged for College Programs, and students are not penalized if they do not attend the required number of events.

### **Continuing Education**

Designed to encourage adults to return to college for further study.  
Offers special "preview privilege" for first-time non-traditional students.  
Conducts re-entry seminars for adults interested in entering college.  
Offers a wide variety of non-credit courses throughout the year.

### **Direct Transfer**

#### *Community College or Junior College*

Offers graduates of a college parallel program from an accredited junior college or community college full credit with a direct transfer of up to 65 semester hours of work toward a *Bachelor of Arts* or *Bachelor of Science* degree.

#### *Community College or Technical Institute*

Offers graduates of a technical or vocational program from an accredited community college or technical institute full credit with direct transfer of up to 65 semester hours of work toward a *Bachelor of Applied Arts* or *Bachelor of Applied Science* degree.

### **High School Credit Bank Program**

Makes it possible for the student to have sophomore standing at the time of college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

### **Military**

#### **ROTC**

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

#### *Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Accepts credit for USAFI courses taken while in service.

Transfers work completed at other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

#### *Bootstrap and Project Ahead*

Offers degree programs to military personnel on educational leave.

Opens doors for persons who have not entered or completed college.

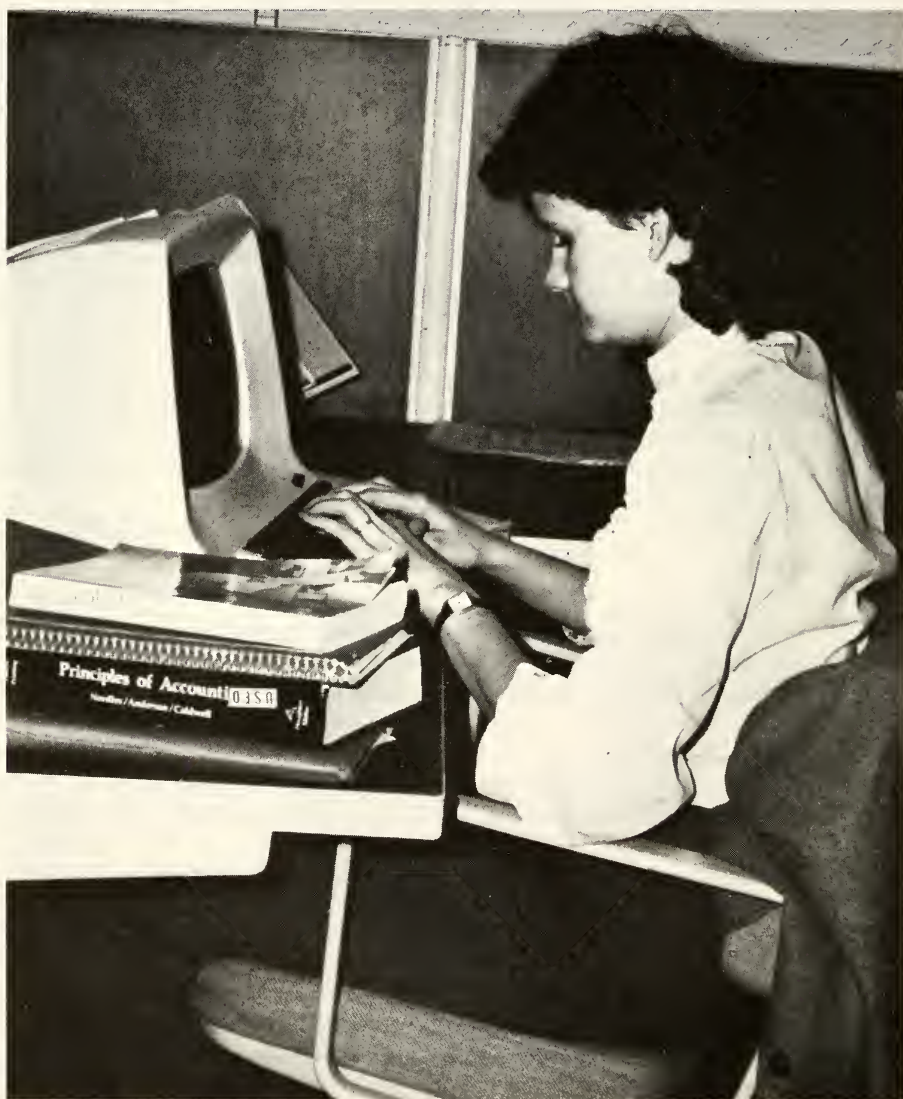
Grants credit for USAFI, CLEP, previous college work, and/or service



experience according to ACE guidelines.  
Offers built-in financial assistance.

### **Study Abroad**

Study-tours are scheduled as desired or needed to enhance a program and give students an opportunity to learn first hand from other countries and cultures. Tours are traditionally scheduled for the winter "mini-term" and summer session.



## **Academic Support Services**

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as Prelaw and Premed.

Closely associated with the Academic Advising Center is the Career Development and Placement service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objectives.

### **Learning Resources Center**

Located in Mooney Building, the Learning Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include tutorial assistance for most academic areas, computer assisted instruction, the academic computer and terminals, a microcomputer lab, study-carrels for group study, video-taping equipment and viewing room, and an extensive variety of audio-visual equipment. Students are encouraged to utilize the Learning Resources Center to accelerate learning or to catch up.

### **Library**

The McEwen Library contains a well-rounded collection of more than 150,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, computer terminals for student use, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

### **Computer Facilities**

The Learning Resources Center offers a variety of hardware capabilities and software support. The center is staffed with faculty, staff and student assistants to assist students with use of the computer. Formal courses and special seminars in the computing sciences and computer usage are also available. Every student and faculty member in Elon College is authorized for use of the computers. In addition to the Learning Resources Center, terminals for student use are located in McEwen Library and Alamance Building.

## Student Life



Elon is committed to the education of the whole person. This is a place for learning — but not all learning is in books.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, service organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide — in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom — opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

### Student Personnel Services

*Counseling Service.* The College maintains a Counseling Service staffed by administrators and specially selected and trained students. This Service is designed to assist students with personal and vocational decisions.

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each residence area there is an Area Coordinator. In addition, within each residence hall there is a staff of Resident Counselors. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and meeting problems at an early stage offer a greater likeli-



hood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the Counseling Service.

*Career Development and Placement.* The Director of Career Development and Placement assists students in their choice of profession. Through testing programs the student is encouraged to explore fully all possible job opportunities. Emphasis is placed upon "life planning" so that career choice fits personal interest, ability, talent and job availability.

The Director also assists seniors and alumni in finding employment after graduation. Visiting representatives from industry, business, education, and government interview candidates on campus. With written permission from student or graduate, credentials are made available to prospective employers on a confidential basis. No charge is made for this service with the exception of a fee connected with sending official College transcripts.

*Health Service.* The College maintains a Clinic, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all emergency, clinic, and routine nursing services, and treatment by the College Physicians. This fee does not cover cases in which a physician other than a College Physician is called.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcases, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, Spring, and Summer vacations. Rooms will be vacated and residence halls locked no later than 5:00 p.m. on the day classes end before these vacation periods. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, they are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Student Activities. Weekly meetings, discussion groups, "lunch talks," special projects, counseling, and other activities form part of the commuter student's experience.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities and composed of students. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, folk entertainment, travel groups, special theme parties, intramurals, and other social activities.

## **Student Government**

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

In addition, Area Councils, designed to provide self determination in each residence area, carry out important student governing functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

## **Honor System**

At the heart of campus life is the Honor System, initiated by the student body and approved by the faculty and the Board of Trustees of the College. This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen.

The Honor System consists of two codes — the Honor Code and the Campus Code. Under the Honor Code the student is on his honor to be honest and truthful. Under the Campus Code the student is bound to be a lady or a gentleman and to conduct himself or herself as such at all times. He or she is expected to see, insofar as possible, that fellow students do likewise. A full description of the Honor System and of the Rules and Regulations pertaining to campus life is found in the *Elon Student Handbook*.

## **Religious Life**

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, just off the campus, is affiliated with the United Church of Christ and open to all students for worship. Most denominations have churches within a few

miles of the campus. Groups meet regularly for Bible study, group discussions, service projects and social activities.

### Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum, sponsored by the Student Government Association, schedules a number of lectures and presents an annual Spring Symposium.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in Whitley Auditorium by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

### Greek Organizations

There are eleven social fraternities and sororities at Elon. A number of these occupy College-owned houses. Fraternities include Tau Kappa Epsilon, Kappa Alpha, Kappa Sigma, Sigma Phi Epsilon, Sigma Pi, and Pi Kappa Phi; sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, and Delta Sigma Theta.

### Honor Societies

*Alpha Chi.* The objective of this national scholastic society is the stimulation, development, and recognition of scholarship and those elements of character that make scholarship effective for good. To be eligible for membership, a student must be a junior or senior, must be of good standing, and must have distinguished himself by academic accomplishments of a high order.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.

*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, scholarship and intelligence, service and leadership in campus life, good citizenship within the academic and larger community, fellowship and consecration to democratic ideals.



*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929 and is one of four in North Carolina. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Sigma Epsilon.* The objective of this honor organization is to recognize scholastic achievement in the Office Administration program.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

## **Student Organizations**

*Class Organizations.* Each class has its own organization and elects its officers and representatives to the Student Government each year.

*Elon Band.* The Elon College Band is composed of two units: the Concert Band and the Stage Band, the Emanons of Elon. Membership in the band is open to all members of the student body.

*The Elon Choir.* The Elon Choir, the student mixed chorus, presents concerts of sacred and secular music at the College and in various communities in North Carolina and other states and sings for College convocations and vesper services. Membership is open to all students.

*Elon College Fellowship.* The ECF is open to all students who wish to participate in regular sessions for prayer, Bible study, and informal discussion aimed toward the development of a Christian lifestyle.

*Elon College-Community Orchestra.* The College-Community Orchestra is made up of students and townspeople who enjoy active participation in a symphony-type musical organization. Weekly rehearsals are held, with full-length concerts given in the fall and spring and other appearances at such occasions as the annual presentation of Handel's *Messiah*.

*Sigma Alpha Mu.* This is a club open to all students in Business Administration or related fields. Its purposes are to sponsor programs for the betterment of all students and to promote the business, social, and economic welfare of the individual members of this organization.

*Departmental Groups.* In addition to the above-named organizations, there are the following departmental groups: the Business Students Communications Committee, the Student Chapter of the Music Educators National Conference, the Student Chapter of the North Carolina Music Teachers Association, and the Student National Education Association.

*The Elon College Gospel Choir.* This group provides musical performances on campus and in area churches.

*The Fellowship of Christian Athletes.* Founded by athletes, this group is open to all students who are interested in regular gatherings for spiritual revitalization.

*Elon Drama Club.* This club is open to anyone on campus and is dedicated to the production of plays during each year.

*American Chemical Society.* This club is open to students of chemistry and related disciplines.

## Communications Media

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates the three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is manned primarily by students. The station broadcasts from a modern facility in Harper Center.

## Service Organizations

*Alpha Phi Omega.* This organization provides service to the College and community through projects on and off campus.

*Elon Collegiate Civinettes.* The Civinettes is a service club sponsored by the Burlington Civitan Club. They provide service to the College and community through projects on and off campus.

## Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

## Athletics

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

*Intercollegiate.* A member of the Carolinas Intercollegiate Athletic Con-

ference, the South Atlantic Conference, the National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women, Elon has teams which compete with other colleges in football, basketball, wrestling, baseball, tennis, golf, track, soccer, women's volleyball, cross country, women's basketball and women's softball, and lacrosse.

### Traditional Events

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds — tug of war, potato sack races, chariot races, dance competition, and skits — are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

### Awards

*The Basnight Awards.* Given in memory of the late Stein H. Basnight of Chapel Hill, N.C., by his family, to the (1) Outstanding Biblical Student and (2) Outstanding Athlete.

*Robert C. Browne Memorial Sportsmanship Award.* Established in memory of Robert C. Browne, an alumnus of the College, by his sister, Pretto Browne Crumpton, and her husband, Dr. J. L. Crumpton. The award is presented annually to the Elon College athlete who has best displayed the qualities of sportsmanship during the year.

*English Scholar of the Year.* Awarded to the rising senior English major who, in the opinion of the English faculty, has best demonstrated superior qualities of scholarship and character during this school year. Donations from members of the English faculty provide for this award annually.

*Human Services Award.* Awarded to the senior Human Services major who, in the opinion of the Human Services faculty, has most clearly demonstrated high academic achievement and superior qualities of character and service.

*W. L. Monroe Christian Education and Personality Awards.* In memory of Dr. W. A. Harper and Dr. John G. Truitt. A trust created by the late W. L. Monroe, Sr., Class of 1918, provides two cash awards to the recipients. Emphasis is placed upon citizenship, modest economic background, qualities of good common sense, desire to help others and the improvement of the whole person.

*Pi Gamma Mu Scholar Award.* Presented by the North Carolina Alpha Chapter of Pi Gamma Mu, National Social Science Honor Society, to the outstanding student in the division of the Social Sciences.

*The Shackley Awards.* Two awards given by the late Dr. George Shackley of St. Petersburg, Florida, to (1) the student showing most improvement in piano during the year and (2) the student showing most improvement in organ during the year.

*The Marcella Rawls Saecker Award.* This award, in memory of Mrs. Marcella Rawls Saecker, Class of 1942, is presented to a senior woman whose citizenship best exemplifies the goals and philosophy of Elon College.

*Ella Brunk Smith Memorial Fund.* This endowment fund was established in memory of the late Ella Brunk Smith by her husband, Dr. L. E. Smith, fifth president of the College. The income from the fund is to provide a cash award each year to the young lady who, in the judgment of the faculty upon recommendation of the Department of Religion, has made the greatest contribution to the moral and religious life of the campus.

*Dudley Ray Watson Memorial Award.* Awarded to the outstanding senior at Elon College majoring in Business Administration. This award is sponsored by the Elon Chapter of Sigma Alpha Mu.





## **Admissions, Finances, and Financial Aid**



### **Admission Procedures**

Elon College operates on the Rolling Admissions Plan — completed applications are acted upon and candidates notified within two to four weeks. Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations. While a personal interview is not necessary, it is helpful both to the prospective student and to the College.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$15 application fee and transcripts of all high school credits and any post secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English 4 units	One Foreign Language 2 units
Math 2 units (Algebra I & II or Algebra I & Geometry—Algebra I & II preferred)	
History 1 unit	Science 1 unit

### **Entrance Examinations**

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

### **Acceptance On Condition**

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required by the Admissions Committee to participate in the Academic Development Program. Upon successful completion of this work and recommendation by the Academic Development Program Coordinator, the student may proceed with regular course work.

### **Special Students**

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.

2. *Persons 21 years of age or older who are not high school graduates* or candidates for a degree but wish to take class work. Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.

3. *College graduates* who are interested in further study at the College. Such applicants are admitted if they fulfill the requirements for admission to the desired courses and if they secure the recommendation of the Dean of Admissions following an interview.

4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.

5. *High school students* who wish to enter Elon at the end of their junior year may submit an application for special consideration for early admission.

### **Advanced Placement and Credit**

Applicants for admission to freshman status may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### **Advanced Placement Examination**

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during Spring of the senior year may receive credit in the following fields: Biology,

Chemistry, English, History, Mathematics, Physics. Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **College Level Examination (CLEP)**

Students who score in the 50th percentile or better on CLEP subject examinations may earn as many as 26 semester hours of credit in the following:

Accounting 211, 212; Biology 111, 221; Chemistry 111, 112; Economics 211, 212; English 111, 112; History 111, 112, 211, 212; Mathematics 111; Psychology 211.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 221, 222; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$25.00.

## **Transfer Program Information**

### **Direct Transfer Program in Applied Arts and Applied Sciences**

Students receiving an Associate of Applied Arts or Applied Science Degree in a vocational or technical area from an accredited technical institute or community college may transfer all work up to and including 65 semester hours (or equivalent) for application toward a BAS (Bachelor of Applied Science) or a BAA (Bachelor of Applied Arts) degree. However, the BAA in Early Childhood Specialist will NOT meet teacher certification requirements in North Carolina.

Requirements for BAA or BAS Degree:

1. A student will transfer his major (Applied Arts or Science degree).
2. General Studies requirements will be completed at Elon College.
3. Enough additional elective hours will be earned at Elon to equal the 126 required for graduation.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.

### **Direct Transfer Program in Liberal Arts**

Graduates of accredited community colleges or junior colleges who hold an Associate of Arts or an Associate of Science Degree may continue their

education at Elon College and receive full credit for their study at the junior college level, with direct transfer of up to 65 semester hours of work.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements will be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation will be completed at Elon.
4. Any freshman admissions deficiencies in Mathematics or Foreign Language will be completed at Elon.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.

### **Transfer of Partial Credit (No Associate Degree)**

Credit is given for college-level courses from any accredited institution insofar as they parallel courses at Elon. However, no credit is allowed for a course in which the grade is below that of "C," except in direct transfer or authorization from the Dean of Academic Affairs.

### **Credit for Veterans**

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. USAFI courses taken while in the service may be accepted for credit.
3. Work from other accredited post-secondary institutions may be accepted.
4. Service experience may be accepted for physical education and health requirements.

### **Acceptance and Room Reservation Fees**

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$125 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 10, with written notification of withdrawal. After May 10, \$25 is refundable until August 1. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 10, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 10 for the fall semester, and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.



## General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office, or through buying individual meals.

*Book Expenses.* The estimated cost of textbooks is \$200 to \$250 for the academic year, of which \$125 is needed for purchases from the campus bookstore at the opening of fall semester.

*Costs Covered by Tuition.* Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, health service, post office box, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Aid Office.



**Expenses for the 1984-85 Academic Year****Full-Time Enrollment\* (12-18 hours)**

	Fall Semester	Winter Term**	Spring Semester
Tuition .....	\$1,625	\$240	\$1,625
Room .....	410	120	410
Board*** (Winter Term billed with Fall Semester)			
7 day plan .....	725	175	550
5 day plan (not available to freshmen) .....	620	140	480
Student Government .....	20		20
Overload (more than 18 semester hours) .....	65/hour		65/hour
Caution/Damage Deposit (refundable, applies to dorm students only) .....	50		

\*Students enrolled for only 10 or 11 hours in Fall or Spring will be charged for the full semester's tuition.

\*\*If a student is enrolled full-time for either Fall or Spring semester, there is no charge for the Winter Term except for board. Any fees paid, excluding board, will be credited against other charges.

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

**Part-Time Enrollment**

Tuition for day or evening courses (no more than 9 hours  
per semester) .....\$65/hour

**Summer School 1984**

Tuition per semester hour ..... \$60  
College enrollment fee including SGA of \$1 ..... 45  
Room and Board per summer term ..... 320

**Special/Optional Fees (No Refunds)**

Fine Arts Courses (individual lessons)  
For Summer School and part-time students, special fees are charged for  
applied music and art lessons.  
    One semester hour credit or audit ..... \$140  
    Two semester hours credit or audit ..... 240  
Auditing Courses — per course ..... 50  
Driver Training — PE 260 ..... 30  
Golf — PE 105 or PE 161 ..... 25

Scuba — PE 209 ..... To be announced

**Graduation Fees**

Bachelor Degree ..... \$22.50  
Associate Degree ..... 12.50

**Miscellaneous**

Late registration/Re-enrollment during term ..... \$25  
Late Payment ..... 25  
Drop/Add course after classes begin ..... 10  
Transcripts ..... 3  
Caution deposit (dorm damage and key) refundable when student  
    leaves campus housing ..... 50  
Examination for course credit ..... 25  
Automobile registration  
    Resident students ..... 15  
    Commuter students ..... 10  
Replace I.D. Card ..... 5  
Replace Meal ticket ..... 5  
Returned check fine ..... 10

A student's or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

**Refunds**

**Academic Year — Fall and Spring Semester**

Tuition, fees and room charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 20%
- 2nd week pro rata charge 40%
- 3rd week pro rata charge 60%
- 4th week pro rata charge 80%
- 5th week - No refund

Upon Withdrawal, Meal Ticket refunds are pro rated.

**Notice of Withdrawal**

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Financial Aid Office and the cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

### **Winter Term and Summer School**

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

### **Payment Plans**

The College makes several private payment plans available. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering Freshmen and is available in the Financial Aid Office.

### **Financial Aid**

Elon College operates on the policy that no student should be denied a college education because of limited funds. As far as possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of financial aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus administered funds (except the Pell Grant) is given to those students enrolled for at least 12 semester hours of course work per semester. Pell Grant awards are made to eligible students who enroll for at least 6 semester hours of work per semester and the amount of the award will be determined by the exact number of hours for which the student is enrolled.

There are three types of aid, and a financial aid award usually includes some portion of each type:

- Grants and scholarships that require no repayment.
- Long term, low interest loans.
- College Work Study and Institutional Work Study.

Applications for a "named" scholarship are not necessary. Recommendations are made by the Financial Aid Committee.

Prior to May 1 EACH YEAR, entering students, transfer students, and continuing students MUST do the following:

- (1) complete a College Scholarship Service (FAF) in its entirety, or a Financial Statement of American College Testing Program (FFS);
- (2) request that a copy of the FAF (Elon College Code #5183) or FFS (Elon Code #3096) be sent to Elon College;
- (3) complete an Elon application for financial aid; and
- (4) send a signed copy of the federal tax forms of both the student and the parents for the previous year to the Office of Admissions and Financial Aid, Elon College.

Students who feel they are financially independent of their parents should contact the Elon College Office of Admissions and Financial Aid for application instructions.



## Government Sponsored Financial Aid Programs

*Pell Grants.* These grants are based on need. A financial statement (FAF or FFS) and Elon College application for financial aid are required. The student receives an eligibility report which he or she must send to Elon.

*National Direct Student Loan Fund.* Under the terms of this program, students at Elon College may secure loans from this fund. To be eligible a student must be in need and have been accepted for enrollment to carry at least half of the normal full-time work load. Interest rate is 5 percent and begins six months after a borrower ceases to pursue at least a half-time course of study. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Supplemental Education Opportunity Grant Program.* Grants are available to students who demonstrate financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Parental Loan Program.* Loans are available to parents of students and to graduate students enrolled in a post high school educational program. Repayment will begin within 60 days of disbursement and interest accrues at the rate of 12 percent.

*Guaranteed Student Loan Program.* The Guaranteed Student Loan Program is designed to make it possible for students to borrow from private lenders to help pay for the cost of education and training at universities, colleges, and vocational schools with the Federal Government paying the interest on the loan while the student is in school. Loans are either guaranteed by State or private nonprofit agencies or insured by the Federal Government at an interest rate of 8 percent for new borrowers. A student may apply for a maximum of \$2,500 per academic year. Total loans outstanding may not exceed \$12,500 for undergraduate students. In North Carolina, this program is administered by College Foundation, Inc., Raleigh, North Carolina. In Virginia, it is administered by Virginia Education Loan Authority, Richmond, Virginia. Applications are available from the individual agencies or banks in other states.

*College Work-Study.* Students who qualify for financial assistance and need a job to help pay for college expenses are potentially eligible for employment by their colleges under federally supported Work-Study Programs. Students may work up to 20 hours weekly while attending classes full time. During the summer or other vacation periods, students may work full time.

*North Carolina Legislative Tuition Grant.* A \$750 tuition grant is available to all bona fide North Carolina residents in full-time study in a private college within the State. The application is completed during registration.

*North Carolina Contractual Scholarship Fund.* The North Carolina State Legislature has passed legislation providing funds for needy North Carolina residents who wish to attend a private college. These scholarships are administered by Elon College based on financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*North Carolina Student Incentive Grant.* Gift aid granted to low income North Carolina residents attending a public or private educational institution within the State. Grants are approximately \$200-\$2,000 and are administered by College Foundation, Inc. Application for this program is made by completing either the FAF or FFS.

### **Student Employment**

*Institutional Work-Study Program.* This program is maintained by the College to provide students part-time employment on campus to help defray their college expenses.

*Off-Campus Employment.* The College strives to help as many students as possible find part-time employment in the surrounding community.

### **Freshman Academic Awards Program**

A freshman who has been accepted to Elon College may be nominated by his or her high school counselor or principal or by the Academic Scholarship Committee of Elon College. These scholarships are renewable provided that the student makes satisfactory academic progress, maintains a semester and cumulative grade point average of 3.0 or better, carries a minimum of 15 semester hours each semester, and participates in the Honors Program if invited to do so. The freshman awards program consists of the four following categories of scholarships:

#### *Trustee Scholars*

These scholarships range from \$2,000-\$2,500 and are awarded to the top academic students participating in the freshman awards program.

#### *Presidential Scholars*

These scholarships range from \$1,000-\$1,500, and a limited number are reserved for Alamance County residents.

#### *Elon Scholars*

These \$500 scholarships, established by the trustees of Elon College, are awarded each year to students with outstanding promise.

#### *Merit Scholarships*

These \$400 scholarships are awarded to students with an outstanding potential for success at Elon College.

### **Presidential Scholarships**

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the

College, a scholarship is awarded to some worthy member of the freshman class.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the College, this fund was established by an initial gift from John T. Kernodle, of Richmond, Virginia. Additional contributions have been received from friends of former President Smith. The income from this endowment is used to aid worthy students.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the College, a scholarship is awarded to some worthy member of the freshman class.

### Academic Scholarships

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*The Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*McCrary Scholarship.* Established by Iris and John McCrary. For academically talented students who have financial need.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure. For an academically talented student.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr. For a promising student in early childhood education.

*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White. For an outstanding student, preferably from Vance County, North Carolina.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

### General Scholarships

*Alamance-Caswell Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.

*John W. Barney Memorial Scholarship.* The fund was established by colleagues, former students, and friends.

*Robert C. Baxter Scholarship.* For worthy students.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*The C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags, Inc. Scholarship.* For deserving students, preferably employees of Burlington Handbags, Inc., or Alamance County students.

*William E. "Buster" Butler, Jr. and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R. Jr. and H. W. Byrd. For employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Two awards annually — one to a deserving student who is a member of the basketball team and one to a student who is working his/her way through college as a member of the college's sports information office.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Frederica Olsson Chase Memorial Scholarship.* Established by Constant W. Chase to be awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, class of 1924.

*The Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*Dewey Hobson Dofflemyer Scholarship.* Established by his wife, Annie Onley Dofflemyer.

*The W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Clyde Lee Fields Memorial Scholarship.* For deserving students.



*Sadie V. Fonville Memorial.* For a worthy student who is a member of the United Church of Christ.

*John L. Frye Scholarship.* For deserving students, with preference given to football program participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*The Gordon-Jennings Scholarship.* To provide scholarship aid to deserving students.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students, with first preference to members of Sigma Phi Epsilon Fraternity and second preference to a political science major.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Asheville—Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers the fund. For worthy "orphaned and neglected children," preferably those from the Elon Home for Children.

*David M. Helfenstein Scholarship.* Established by a bequest from Miss Anna Helfenstein.

*E. E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul. For a deserving student baseball athlete.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson Jackson, Sr. For needy and worthy students who have exhibited a potential for positive contributions to the College community and society.

*Virginia Somers Jones Scholarship.* For deserving students.

*Rep. John M. Jordan Scholarship.* For a deserving student from Alamance or Rockingham Counties, N.C.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably to those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For native born Americans who express an interest in and show promise in art, journalism and music.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.

*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*The Mills and Mary Alice Luter Scholarship.* For a deserving student, preferably from the Elon Home for Children.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students, preferably from Lynnhaven Colony Church.

*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston, and Mrs. Pattie Alston Macon.

*The Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes in basketball, football and baseball.

*The John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*Memorial Scholarship Fund—First Christian Church, Portsmouth, Virginia.* Established by the Women's Fellowship and others of the First Christian Church, Portsmouth, Virginia, in 1965.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Myers-Sanders Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders. For a deserving student.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., class of 1948, and his wife, Margaret S. Plybon. For worthy students who have demonstrated high academic and leadership abilities.

*The Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, North Carolina.

*O. D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress. For worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*Japheth E. Rawls, Jr. and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology major(s) selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.  
*Viola V. Rollings and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings.

*Huck Finn-Tom Sawyer Tennis Scholarship.* For deserving men and women who are members of the Elon College tennis teams.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C. who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford Counties.

*Oscar F. Smith Scholarship.* For scholarship assistance to students preferably from Eastern Virginia.

*The John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Incorporated Scholarship.* To provide scholarship aid to a deserving student.

*Staley Memorial Scholarship.* Established by the Women's Missionary Convention of the Southern Convention of Congregational Christian Churches in memory of Dr. William Wesley Staley (1849-1932), the second president of the College.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Mary Frances Stamey, for deserving students from Cleveland County, North Carolina.

*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor. Provides assistance for deserving students.

*The William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Tidewater Alumni Chapter Scholarship.* Established by the area alumni for worthy students from the Tidewater area.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*The William H. and John A. Trolinger Memorial.* Established by Mrs. Isla Stratford May, William H. Stratford, John B. Stratford, Parke C. Stratford, and Robert E. Stratford. For worthy students from Alamance County.

*Lillian Pearl Tuck Endowment.* Established for Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

*Wallace Lincoln Tuck Scholarship.* For needy students.

*Union United Church of Christ Scholarship.* For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students. Provides annual scholarships in football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward, class of 1949. For students who show academic promise, a definite need, and an interest in athletics.

*Clyde T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters. Provides annual scholarships to deserving women athletes.

*William I. Ward, Sr. and David Samuel Ward Scholarship.* Established by William I. Ward, Jr. To a graduate of Graham (N.C.) High School, or its successor high school or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson. To a rising senior majoring in business administration based on scholarship, character and potential for societal contribution.

*S. S. "Red" Wilson Scholarship.* For basketball and football athletes who maintain a "B" average.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents. For deserving students, with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

### Ministerial Student Scholarships

Dependent children of ministers of the United Church of Christ are granted tuition discounts of \$400.

*Edward M. Albright Scholarship.* Established by his wife, the late Mrs. Olivia White Albright.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward. In memory of Waverly S. Barrett, and William D. Harward, Class of 1896.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish speaking people.

*Richie E. and Agnes R. Brittle Scholarship.* Created by the Hunterdale United Church of Christ, Franklin, Virginia.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Eastern North Carolina Ministers Memorial.* For scholarships preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association church, (3) a member of a Southern Conference church.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.



*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of Reverend I. W. Johnson.

*Lee County Scholarship.* For needy students, preferably preparing for full time church-related vocations from one of the participating churches.

*J. U. Newman Memorial Scholarship.* Established by Lila Clare Newman in memory of her father.

*John Webster Patton Scholarship.*

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon College.

*The Rev. Lacy M. Presnell, Sr. Memorial Scholarship.* Established by family and friends. To provide financial assistance for worthy and deserving students, preferably from the general Randolph County area preparing for full-time church-related vocations.

*Emmett H. and Katherine H. Rawles Scholarship.*

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*St. Mark's Reformed Church Scholarship.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, preferably pursuing pre-ministerial or Christian Education studies.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers. For the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia. Income is used preferably for one or more students from the Tidewater, Virginia area, pursuing full-time Christian vocations.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student of an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Alda June Jones Stevens Memorial Scholarship.*

*Thyra Vestal Scholarship.*

## Music Scholarships

*Band Scholarships.* Awarded on a limited basis to students who are musically talented and participate in band activities.

*Jennie Willis Atkinson Bradford Scholarship.* Provides a scholarship each year to a worthy student in the Department of Fine Arts.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*The Billy Crocker Jazz Scholarship.* To a member of the Emanons. The recipient will be selected by a vote of members of the Emanons and the directors.

*A. J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*Presser Scholarship.* Provided by friends of The Presser Foundation of Philadelphia, Pa. For the assistance of deserving students who are preparing to become teachers of music.

*Velie Memorial Music Scholarship.* Established by relatives and friends. Professor Velie was a member of the music faculty at Elon College. He directed the choir of the Elon College Community Church. For a deserving student majoring in music.

## Loan Funds

*Amick Fund.* Dr. T. C. Amick, formerly of the College Faculty, created a fund to be loaned to deserving students at six percent interest.

*Stein H. and Pearl M. Basnight Loan.* A bequest from the estate of Stein H. Basnight. For United Church of Christ students preparing for the ministry. Loaned at a rate of six percent interest. If the student enters the Christian ministry, the interest is forgiven.

*Bowling Fund.* Dr. E. H. Bowling of Durham, N.C., has created a fund to be used in educating deserving students, preferably candidates for the ministry.

*James E. and Mary Z. Bryan Foundation Student Loan Plan.* Established by Mary Z. Bryan as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh, North Carolina. Students may borrow up to \$1,000 per academic year. Four percent interest accrues while student is in school and increases to six percent after student ceases to be enrolled as a full-time student.

*Burlington Elks Scholarship Loan Fund.* Lodge #1633. For students who are residents of Alamance County.

*Dr. J. A. Clarke Fund.* The money is loaned at six percent interest.

*Maggie B. Dixon Loan Fund.* To assist members of the junior and senior classes.

*Knights Templar Educational Loan Fund.* Under the rules of the Grand Commandery, students at Elon may obtain loans from this fund.

*McLeod Fund.* Loaned to worthy students on proper security.

*Helen Martin Parkerson Loan Fund.* Established by Mrs. Helen Cannon as a memorial to her mother. Loaned to deserving students in Office Administration.

*T. M. Stanback Fund.* Created by gifts from Mr. and Mrs. T. M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



# Academic Regulations



## Degree Requirements

### Degrees and Major Fields

Elon College offers the following degrees and major fields of study:

Master of Business Administration (M.B.A.)

See the Graduate Catalog for degree requirements.

Bachelor of Arts (A.B.)

Biology  
Chemistry  
Computer Information Science  
Economics  
Education  
    Elementary (K-4 and 4-6)  
    Middle Grades (6-9)  
    Secondary  
English  
Foreign Languages  
General Music  
History  
Human Services

Journalism-English  
Mathematics  
Music  
Office Administration  
Philosophy  
Physics  
Political Science  
Psychology  
Public Administration  
Religion  
Science Education  
Social Science  
Sociology



Bachelor of Science (B.S.)

- Accounting
- Business Administration  
(Management, Finance and Marketing)
- Cytotechnology
- Medical Laboratory Technician

- Music Education
- Physical Education and Health
- Physical Education: Community Recreation
- Physical Education: Commercial Leisure and Sports Management

Bachelor of Applied Science (B.A.S.)  
and Bachelor of Applied Arts  
(B.A.A.)

- Radiologic Technology
- Cooperative transfer programs offered to graduates of community colleges and technical colleges

Associate in Arts (A.A.)

- Office Administration

Associate in Science (A.S.)

- Cytotechnology
- Medical Laboratory Technician

**Bachelor's Degree Requirements**

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or pre-professional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.
2. Completion of General studies as follows:
  - a. Foundational Studies .....9
    - (1) English 111, 112 (Freshman English Composition) .....6
    - (2) Mathematics 111 (or higher) .....3
  - b. Liberal Studies .....31
    - (1) *Expression* .....6  
Eloquent and creative expression in literature and fine art. Six hours chosen from art, English, fine arts, music, at least three hours of which must be English.
    - (2) *Science (Analysis)* .....7  
Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
    - (3) *Reflection* .....6  
Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from

religion and/or philosophy, at least three hours of which must be religion.

(4) *Civilization* .....6

Historical and cultural context beyond the present day. Six hours chosen from foreign language at the 200 level or above and/or history.

(5) *Society* .....6

Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.

c. *Advanced Studies* .....12

In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates one or more of the areas.

d. *Physical Education* 160 .....2

3. *Electives*

4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

5. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies in those areas.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking the first year (two semesters) of a foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work. In addition, each student must have twice as many quality points as credit hours attempted. *2.0 GPA*

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

A student who receives a bachelor's degree from the College and wishes to qualify for another bachelor's degree must earn at least 16 semester hours beyond those required for the first degree and must complete all requirements for an additional major appropriate to the second degree. No student will be awarded two degrees at the same commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. Students in Medical Laboratory Technician, Music and Radiologic Technology should begin their major in their freshman year. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field(s) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

### **Associate Degrees**

The associate degree programs are listed in the courses of instruction.

## **General Academic Regulations**

### **Registration and Courses**

#### **Classification**

Classifications are made at the beginning of the college year in September.

A sophomore must have removed all entrance conditions and have completed 24 hours of work toward a degree.

A junior must have completed 54 semester hours, and a senior 84 semester hours of work toward a degree.

#### **Course Load**

Twelve hours of college work is considered the normal student load for freshmen. The normal student load for upperclassmen is considered to be fifteen hours of college work. Students who are on academic probation are limited to a maximum load of 13 semester hours in Fall and Spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

### **Course Registration**

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Continuous subjects (designated by a hyphen, e.g., 111-112) must be pursued to completion to earn credit toward a degree. Unless the student and his advisor consider it essential, a student should not change his schedule after registration.

### **Auditing Courses**

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$50 for each course.

### **Changes in Class and Schedule**

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$25.00.



### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Dean of Academic Affairs.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade-point average is less than 2.00 may not register for overload hours in any term.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the requirements for the major and minor on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than the previous grade received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

### **Studies Abroad Programs**

Students who participate in Studies Abroad programs may earn credit for no more than three programs. A letter grade is given for the first enrollment. For additional enrollments, (1) pass/fail grades are given and (2) only elective credit is earned. Students who earn pass/fail grades for Studies Abroad

programs will still be permitted to have pass/fail grades in two one-semester courses outside their major/minor requirements.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing the attendance regulations. The following is the general plan of the attendance regulations:

Each department publishes its own attendance policy. A student who has excessive absences in any class is reported by the faculty member to the Advising Office. Members of the advising staff will confer with the student. If the absences are not excusable, the student will be warned, and his faculty advisor will be apprised of the situation. If unwarranted absences continue, the Dean of Academic Affairs may suspend the student from the class or from the College.

### **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.



## Grades and Reports

### Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade	Quality Points
A Superior work	4
B Work above the average	3
C Average work	2
D Work below the average	1
F An absolute failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory	0
WD Medical withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No report	0

The minimum passing grade is "D." A grade of "F" indicates failure.

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### Grade-Point Average

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted, except for courses with grades of P, S, WD or WP.

## Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

## Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.33 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

## Graduation With Honors

Candidates for graduation with an average of 3.87 or more quality points for each credit hour are graduated *summa cum laude*; those with 3.67 or above, *magna cum laude*; and those with 3.33 or above, *cum laude*. The average for honors is computed on all work attempted in college whether at Elon or another institution.

Elon College provides a comprehensive Honors Program for students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of 21 semester hours of Honors courses and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

## Student Access to Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

## Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic



record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

### **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. He will give such permission for work only in fully accredited institutions. Credit is allowed only for courses of college level which also are allowed toward graduation by the institution conducting the summer school. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

## **Academic Standards and Withdrawal**

### **Academic Warning, Probation and Suspension**

At least a "C" average (grade point average of 2.00) is necessary to satisfy the College's academic requirements. Each student whose cumulative grade point average is less than 2.00 will automatically be placed in some level of academic deficiency. Records of these students, as well as those whose grades in any semester fall below 2.00, are reviewed by the Committee on Academic Standing. The Committee will (1) place the student on academic warning, (2) place the student on academic probation (a more serious deficiency), or (3) suspend the student. A student with serious grade deficiencies is eligible for suspension action at any time after the completion of one full-time semester of attendance.

Students on academic warning or probation are expected to show significant improvement in their next semester or term. Students who are on academic probation are limited to a maximum load of 13 semester hours in Fall and Spring semester. The Committee removes from warning the students whose cumulative grade point averages improve to at least 2.00. The Committee removes from probation and changes to warning (or clear standing) students whose cumulative grade point averages improve sufficiently. The Committee asks those who do not show adequate improvement to discontinue their studies. One academic semester must elapse before students suspended for failure to maintain normal academic progress are eligible for reinstatement. Applications for reinstatement are available from the Admissions Office. A student who is suspended a second time for academic reasons is normally not readmitted to the College for further study.

### **Dismissal**

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful

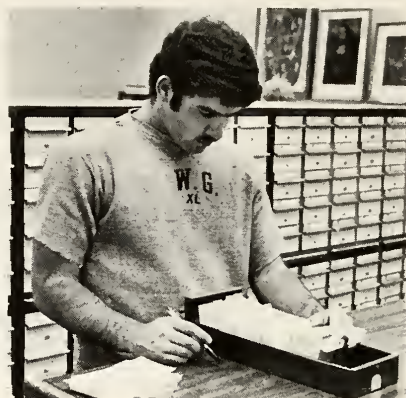
consideration and consultation with the student or students in question and all other parties with information pertinent to the matter at hand.

### **Leave of Absence and Withdrawal**

If a student, for any reason, concludes that he must leave the College on a temporary or long term basis, he must confer with the Dean of Student Affairs and the Dean of Academic Affairs to formalize his plans. If he wishes to be absent for as long as two semesters, he may request a Leave of Absence under which he may automatically return to the College at a time mutually acceptable. Faculty will be requested to report student progress in class at the time a Leave is granted by indicating either a WP or WF grade. The official record of the student cannot be cleared until action —either Leave or Withdrawal — is complete.



## Courses of Instruction



### Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, Communications, English, Fine Arts, Languages, Music, Philosophy, Religion
Division of Sciences and Mathematics	Biology, Chemistry, Computer Information Science, Cytotechnology, Mathematics, Physics, Medical Laboratory Technician, and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Office Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health	Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

### Accounting

*Chairman, Department of Business Administration, Accounting and Office Administration:* Professor Marr

*Professor:* Sanders

*Associate Professors:* Oliver, Coltrane

*Instructor:* McNamee



A major in Accounting requires Accounting 211, 212, 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 111, 321, 322, 323, 411 and 412. Additional course requirements are Computer Information Science 111, Economics 211, 212, 246, 347, and 6 semester hours chosen from Mathematics 111, 121, 160, 161, 221 and 222.

A minor in Accounting requires Accounting 211, 212, 331, 332, and one other upper level accounting course; Business Administration 111.

#### **211, 212. PRINCIPLES OF ACCOUNTING**

**4 semester hours each semester**

To give the student an insight into the various methods used in keeping the records of single proprietorships, partnerships, and corporations. Year-end adjustments, work-sheets, and preparation of financial statements emphasized. 3 class hours, 2 laboratory hours. Prerequisite: BA 111 (or corequisite); ACC 211 required for 212.

#### **331, 332. INTERMEDIATE ACCOUNTING**

**3 semester hours each semester**

Each item of the balance sheet and income statement is analyzed critically. Alternative methods and procedures are evaluated against the background of the latest authoritative pronouncements and the theory that supports them. The statement of changes in financial position is studied. Prerequisites: ACC 211, 212. ACC 331 is required for 332. Lectures and laboratory.

#### **336. COST ACCOUNTING I**

**3 semester hours**

A study of cost procedures. Materials, labor, overhead; job order and process systems; standard costs. Prerequisites: ACC 211, 212.

#### **337. COST ACCOUNTING II**

**3 semester hours**

An extensive examination of the uses of cost data by management. Includes managerial techniques and their application to decision making. Prerequisites: ACC 336, ECO 246.

#### **441. INCOME TAX I**

**3 semester hours**

An introduction to income tax theory and concepts and a study of tax fundamentals and basic rules for the individual, partnership, and corporate taxpayer. Prerequisites: ACC 211, 212.

#### **442. INCOME TAX II**

**3 semester hours**

A thorough study of capital gains and nontaxable exchanges for the individual and corporate taxpayer. Additional topics include income averaging, minimum tax on preferences and maximum tax on personal service income. Prerequisite: ACC 441.

#### **451. ADVANCED ACCOUNTING I**

**3 semester hours**

Specialized accounting problems: Partnerships; corporate liquidation; consolidated statements; governmental and not-for-profit organizations; estates and trusts. Prerequisite: ACC 332.

#### **452. ADVANCED ACCOUNTING II**

**3 semester hours**

A study of accounting for governmental units, not-for-profit entities, estates and trusts, and corporate liquidation. Prerequisite: ACC 332.

#### **456. AUDITING**

**3 semester hours**

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing and substantive testing. Prerequisite: ACC 332.

#### **471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Advanced study consisting of reading problems, reports and discussions of current topics. Participation by students, departmental faculty, and other resource persons.

#### **491. INDEPENDENT STUDY**

**1-3 semester hours**



## Art

*Associate Professor:* Daniel

*Part-time Instructor:* J. Henricks

A minor in Studio Art requires Art 111, 113, 221, 223, 491 (3 semester hours); plus 6 semester hours selected from Art 103, 104, 211, 212, 213, 214, 311, 312, 491.

### **103. CERAMICS I**

**3 semester hours**

Techniques in working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

### **104. CERAMICS II**

**3 semester hours**

A continuation of Art 103, which is a prerequisite. Materials fee: \$10.00.

### **111. DESIGN I**

**3 semester hours**

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$5.00.

### **112. DESIGN II**

**3 semester hours**

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

### **113. DRAWING**

**3 semester hours**

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours.

### **211. PAINTING: OILS, ACRYLIC I**

**3 semester hours**

Experimental studies in the techniques of painting and composition using various media. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

### **212. PAINTING: OIL, ACRYLIC II**

**3 semester hours**

A continuation of Art 211, which is a prerequisite. 1 hour of lecture and 5 studio hours.

### **213. PAINTING: WATERCOLOR I**

**3 semester hours**

Experimental studies in the various techniques of painting with watercolor. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

### **214. PAINTING: WATERCOLOR II**

**3 semester hours**

A continuation of Art 213, which is a prerequisite.

### **221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES**

**3 semester hours**

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 221 is the same as FA 221.)

### **223. HISTORY OF ART: RENAISSANCE TO THE PRESENT**

**3 semester hours**

Historical survey of the major visual arts from the Renaissance to the present. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 223 is the same as FA 223.)

### **261. ART EDUCATION FOR ELEMENTARY GRADES**

**3 semester hours**

Methods and materials, principles, and fundamentals of art used in the elementary grades. 2 hours of lecture and 1 studio hour. Materials fee: \$5.00.

**311. GRAPHICS I**

**3 semester hours**

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 111. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**312. GRAPHICS II**

**3 semester hours**

A continuation of Art 311, which is a prerequisite. Materials fee: \$10.00.

**491. STUDIO PROBLEMS**

**1, 2, or 3 semester hours**

Individual study and experimentation. Open to students at all levels, with permission of the Art faculty only. Maximum credit allowed toward a degree is 6 semester hours.

**Biology**

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House.

*Associate Professors:* Morgan, Rao

*Assistant Professors:* Fields, N. Harris, Plumblee

A major in Biology requires Biology 111 and either 221 and 311 or 222 and 342, plus 322, 345, 452, 461, 462, and at least 6 additional semester hours in Biology; Physics 111, 112; Chemistry 111, 112, and 321-322. Biology majors planning to teach in secondary schools must take Biology 111, 221, 222, 311, 322, 345, 452, 461, 462, plus as least 4 additional semester hours in Biology; Physics 111, 112; Chemistry 111, 112 and 321-322.

A minor in Biology requires Biology 111 plus five additional Biology courses approved for major credit.

**111. BASIC CONCEPTS IN BIOLOGY**

**4 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. 3 class hours, 1 laboratory per week.

**201. ENVIRONMENTAL CONSERVATION**

**3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. No credit toward Biology major or minor. Prerequisite: BIO 111.

**221. GENERAL ZOOLOGY**

**4 semester hours**

A survey of the Animal Kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**222. GENERAL BOTANY**

**4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**265. HUMAN ANATOMY AND PHYSIOLOGY**

**4 semester hours**

The structure and function of the human body including the cellular, skeletal, muscular, nervous, endocrine, respiratory, circulatory, metabolic, renal and reproductive aspects. 3 class hours, 1 laboratory per week. No credit toward Biology major. Prerequisite: BIO 111 or CHM 111.

**311. COMPARATIVE VERTEBRATE EMBRYOLOGY**

**4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221.

**312. COMPARATIVE VERTEBRATE ANATOMY**

**4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 311.

**321. MICROBIOLOGY**

**4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs are included. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 111, 112.

**322. CELLULAR BIOLOGY**

**4 semester hours**

Ultrastructure of typical eucaryotic and procaryotic cells and the relationship between structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis, and protein synthesis are included. Also discussed are general properties of viruses, control of cellular differentiation, growth and development, and molecular genetics. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 321-322.

**335. FIELD BIOLOGY**

**4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY**

**4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY**

**4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. Offered alternate years. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, CHM 111, 112.

**345. GENETICS**

**4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221, CHM 111, 112 or permission of the instructor.

**391. RESEARCH**

**1 or 2 semester hours each semester**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY**

**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221, CHM 321, or permission of instructor. Offered alternate Winter Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY**

**4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. Teaching methods will be by lectures, readings, scheduled laboratory and field studies. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of the instructor.

**461. SENIOR SEMINAR I**

**1 semester hour**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to senior biology majors or by permission of the instructor.

**462. SENIOR SEMINAR II**

**1 semester hour**

Students write either a scientific research paper or a scientific project proposal using the topic developed in Biology 461 as a foundation. Prerequisite: BIO 461.

**Business Administration**

*Chairman, Department of Business Administration, Accounting and Office Administration:* Professor Marr

*Professors:* Sanders, Sholtzberger

*Associate Professors:* Baxter, Coltrane, Oliver, Toney, Weavil

*Assistant Professors:* G. Azam, McClellan, Wood

*Instructor:* McNamee

A major in Business Administration requires Business Administration 111, 311, 321, 323, 328, 411 and 423; Accounting 211, 212 and 336; Computer Information Science 111; Economics 211, 212, 246 and 321; and 6 semester hours chosen from Mathematics 111, 121, 160, 161, 221 and 222. In addition the student must complete one of the following emphasis areas: *Management*—Business Administration 325, 412, 426; *Finance*—Business Administration 416, 421, Economics 331; *Marketing*—Business Administration 312, 313, 316. One additional 3 semester hour course must be completed from junior-senior level Business Administration, Accounting and/or Economics courses.

A minor in Business Administration requires Business Administration 111, 323; Accounting 211, 212; and Economics 211, 212.

Successful completion of the first two courses of the Real Estate sequence qualifies one to take the North Carolina Salesman Examination.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to the Graduate Catalog available from the Admissions Office.

**111. INTRODUCTION TO ACCOUNTING AND BUSINESS FINANCE**

**3 semester hours**

A beginning course for accounting and business administration majors. Principal emphases are on simple and compound interest concepts and applications. Various financial accounting concepts are used to introduce the study of basic financial statements.

**302. BUSINESS COMMUNICATIONS**

**3 semester hours**

(Same course as OA 302. See OA 302 for description.)



**311. PRINCIPLES OF MARKETING**

**3 semester hours**

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisites: ECO 211, 212.

**312. MARKETING RESEARCH**

**3 semester hours**

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of research findings to the decision-making process of the firm. Prerequisites: BA 311, ECO 246.

**313. ADVERTISING**

**3 semester hours**

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311 or permission of instructor.

**316. MARKETING CHANNELS**

**3 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisite: BA 311 or permission of the instructor.

**321. BUSINESS LAW I**

**3 semester hours**

A survey of the legal environment of business. Emphasis is placed upon a study of administrative agencies, consumer protection and commercial law. Prerequisites: ECO 211, 212, or permission of the instructor.

**322. BUSINESS LAW II**

**3 semester hours**

A study of specialized topics. Emphasis is placed upon commercial paper, creditors' rights, secured transactions, partnerships and corporations, and decedents estates. Prerequisites: ECO 211, 212, or permission of instructor.

**323. PRINCIPLES OF MANAGEMENT**

**3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

**325. PERSONNEL ADMINISTRATION**

**3 semester hours**

A study of the basic personnel practices, objectives, functions, and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**328. ORGANIZATIONAL BEHAVIOR**

**3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

**341. FINANCIAL INTERMEDIARIES**

**3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisites: BA 111, ECO 211, 212.

**351. FUNDAMENTALS OF REAL ESTATE**

**3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Emphasis is placed on real estate evaluation and finance and tax factors in real estate analysis. Prerequisites: BA 111, ACC 211, 212, ECO 211, 212, or permission of instructor.

**353. REAL ESTATE FINANCE****3 semester hours**

A survey of the principles, concepts, and techniques of effective real estate investment. Financing and forms of ownership are significant topics. Various tax provisions are emphasized. Prerequisite: BA 111 or permission of instructor.

**355. REAL ESTATE INVESTMENT****3 semester hours**

The course stresses the importance of real estate as an investment vehicle which competes for funds in the market place. Financing and income tax considerations are introduced, and some computer analysis is used in evaluating potential investments. Prerequisites: BA 351 or 353 and 411, or permission of instructor.

**411. MANAGERIAL FINANCE****3 semester hours**

Principles of finance applied to corporate management. Ratio analysis, financial forecasting, working capital management, capital budgeting, capital structure, and financial structure are principal components. Money and capital market procedures and instruments are also given emphasis. Prerequisites: ACC 211, 212, ECO 211, 212, 246.

**412. OPERATIONS RESEARCH****3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisites: ECO 246 and Senior status.

**416. FUNDAMENTALS OF INSURANCE****3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bonds, and automobile insurance.

**421. INVESTMENT PRINCIPLES****3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisites: ACC 211, 212, ECO 211, 212.

**422. BUSINESS AND SOCIETY****3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state, and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**423. BUSINESS POLICY****3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decision simulation exercises; development of an effective conceptual approach to integrating administrative policy, strategies, and decision making.

**426. PRODUCTION AND OPERATIONS MANAGEMENT****3 semester hours**

Principles of management applied to production systems. Main emphasis is given to: production capacity planning; job design, standards and work measurement; scheduling; quality control; and inventory management. Prerequisites: BA 323, ECO 211, 212, 246.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT****3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisites: BA 111, ACC 211, 212, ECO 211, 212, or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, and discussions of special topics. Participation by students, faculty, and other resource persons.

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**491. INDEPENDENT STUDY****1-3 semester hours****Business Education**

The Business Education program is listed under Office Administration.

**Chemistry**

*Chairman, Department of Physical Sciences:* Associate Professor F. Harris

*Professors:* P. Cheek, Danieleley

*Instructor:* Holland

*Part-time Assistant Professor:* R. Cheek

A major in Chemistry requires Chemistry 111, 112, 221, 222, 321-322, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112; and Computer Information Science 111.

A minor in Chemistry requires Chemistry 111, 112, and twelve semester hours of Chemistry above the 100 level.

**101. BASIC CONCEPTS IN CHEMISTRY****4 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Lecture and recitation, three lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

**103. BASIC CONCEPTS IN GEOLOGY****4 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 3 laboratory hours. No credit toward the Chemistry major or minor.

**110. INTRODUCTION TO CHEMISTRY****3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

**111, 112. GENERAL CHEMISTRY****4 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry. 3 class hours, 3 laboratory hours.

**201. ENERGY AND ENVIRONMENT****3 semester hours**

A study of energy demands and supplies, the "energy crisis," alternate energy sources, and the environmental issues involved. Prerequisite: Chemistry 101 or 111 or permission of instructor.

**221. QUANTITATIVE ANALYSIS****4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 3 class hours, 3 laboratory hours.

**222. INORGANIC CHEMISTRY****4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours.

**321-322. ORGANIC CHEMISTRY I AND II**

**4 semester hours each semester**

Chemistry of the compounds of carbon. Aliphatic, aromatic, alicyclic, and heterocyclic compounds are studied as to importance, methods of preparation, electronic structure, chemical and physical properties, and industrial and medicinal use. Laboratory work consists of preparation, purification, properties, and qualitative identification of typical compounds. 3 class hours, 3 laboratory hours. A continuous course which must be completed for credit toward a degree.

**361. CHEMICAL LITERATURE**

**1 semester hour**

Instruction and practice in the use of the literature of chemistry.

**391. INDEPENDENT STUDY**

**1-2 semester hours**

Library and/or laboratory study by the individual student. Open to students at all levels. Prerequisite: permission of the Chemistry staff. Maximum credit, 8 semester hours.

**401. CHEMISTRY AND SOCIETY**

**3 semester hours**

Designed to acquaint students with chemistry as a human endeavor pursuing knowledge and working toward improved living conditions. Topics include discoveries which have changed man's way of life, the people who made the discoveries, and the effects on society of significant developments in chemistry. Prerequisite: Any science class or permission of instructor.

**411. PHYSICAL CHEMISTRY**

**4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours.

**421. INSTRUMENTAL ANALYSIS**

**4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours.

**425. BIOCHEMISTRY**

**3 semester hours**

(Same course as BIO 425. See BIO 425 for description.)

**461. SPECIAL TOPICS**

**1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; qualitative Organic Analysis, and Analytical Separations. Admission by permission of the department.

**471. Seminar**

**1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.

## Commercial Leisure and Sports Management

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## Communications

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill.

*Associate Professor:* Bland

*Assistant Professors:* Gibson, Nowell, Ponder

*Part-time Instructor:* Kerns

A major in Journalism-English requires Communications 210, 220, 225, 226, 245, 325, 345, 420, plus 9 semester hours (excluding practical experience) of



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Communications courses at the 300-400 level. A 3 semester hour Communications practical experience in either broadcasting or journalism is also required. Additional requirements include 21 semester hours of English courses (beyond English 111, 112), at least 12 semester hours of which must be 300-400 level courses.

A minor in Communications with a concentration in Journalism requires four courses chosen from Communications 210, 220, 225, 226, 325; plus 9 semester hours of Communications courses at the 300-400 level, not more than 3 semester hours of which may be a Communications practical experience.

A minor in Communications with a concentration in Broadcasting requires four courses chosen from Communications 210, 220, 225, 245, 345; plus 9 semester hours of Communications courses at the 300-400 level, not more than 3 semester hours of which may be a Communications practical experience.

#### **101. PARLIAMENTARY PROCEDURE**

**1 semester hour**

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

#### **210. PUBLIC SPEAKING**

**3 semester hours**

The fundamentals of public speaking: principles in non verbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

#### **220. INTRODUCTION TO MASS COMMUNICATION**

**3 semester hours**

A survey of the history of mass media—newspapers, magazines, book publishing, films, the recording industry, radio, television and cable—with special emphasis on media as social institutions, economics of the media, and technological developments in media.

#### **225. REPORTING AND NEWS WRITING**

**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Students must be able to type. Prerequisites: ENG 111 or 112 or permission of instructor.

#### **226. FEATURE WRITING**

**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: COM 225.

#### **228. PHOTOJOURNALISM**

**3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed. Prerequisites: Physics 103 or permission of instructor.

#### **245. RADIO BROADCASTING**

**3 semester hours**

An introduction to broadcasting, including the history, regulation, ethics, physics, and capabilities of radio as a mass medium. Coursework includes scripting, newswriting, announcing, interviewing, and production techniques.

**310. ARGUMENTATION AND PERSUASION**

**3 semester hours**

Analyzing conflict in historical and current issues. Students learn procedures of rhetorical argument, methods of ethical and sensitive presentation and resisting persuasion, use of evidence, reasoning and refutation in oral argument. Prerequisite: COM 210 or permission of instructor.

**325. NEWS EDITING AND LAYOUT**

**3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: COM 225.

**345. BROADCAST JOURNALISM**

**3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: COM 245.

**362. A STUDY OF FILMS**

**3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**371. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Specialized topics or issues in Communications. Recent studies included International Communications, Magazine Journalism, Radio Theater, Propaganda and Mass Media, Interpersonal and Group Communication, Broadcast Management.

**381. PRACTICUM IN COMMUNICATIONS**

**1-3 semester hours**

Work experiences at an advanced level in some aspect of broadcasting or journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: COM 225 or 245 and permission of instructor.

**420. LAW AND ETHICS OF MASS COMMUNICATION**

**3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulation of broadcasting content.

**426. EDITORIAL WRITING**

**3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: COM 225.

**450. CRITICISM OF BOOKS, PLAYS AND FILMS**

**3 semester hours**

Interpretation and evaluation of current books, plays and films and several critical methods with which such works may be approached. Practice in criticism and reviewing.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Computer Information Science**

*Chairman, Department of Mathematics and Computer Information Science: Associate Professor R. Haworth*

*Professor: Francis*

*Associate Professors: Alexander, W. Hightower*

*Assistant Professor: V. Hightower*

*Instructor: Carpenter*

A major in Computer Information Science requires 36 semester hours of Computer Information Science courses which include 111, 131, 232, 331, 332,

341, 342, 351, plus 9 semester hours at the 300-400 level (six of which must be at the 400 level), plus additional course(s). Additional requirements are one 3 semester hour course in statistics and Mathematics 111, 112, 121, 221 and 311. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

A minor in Computer Information Science requires Computer Information Science 111, 121, 131, 222 or 232, one 3 semester hour course in statistics, and two additional Computer Information Science courses at the 300-400 level. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

For instructional purposes the College has a DEC 11/34 computer with extensive software. Varieties of microcomputers are also available. Cooperative Education placements in Computer Information Science are available in area and regional businesses and industries.

**111. INTRODUCTION TO COMPUTERS AND DATA PROCESSING 3 semester hours**

An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flowcharting. The student will study procedures for interactive program execution utilizing BASIC computer language.

**121. COBOL PROGRAMMING I 3 semester hours**

An introductory course on the use of computers in business applications utilizing COBOL programming language. File processing and updating, sorting and merging, reporting, input/output techniques. Elements of structured programming, and modular design techniques. Prerequisites: CIS 111 and MTH 111 or competency in each area.

**131. COMPUTER PROGRAMMING AND ALGORITHM DEVELOPMENT I 3 semester hours**

An introduction to problem solving methods and algorithm development. The details of a high level programming language. Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Prerequisites: MTH 111 and CIS 111 or permission of instructor.

**171. SPECIAL TOPICS 1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages.

**222. COBOL PROGRAMMING II 3 semester hours**

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: CIS 121.

**232. COMPUTER PROGRAMMING AND ALGORITHM DEVELOPMENT II 3 semester hours**

A continuation of the development of problem solving methods. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CIS 131.

**260. SPSS 2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisite: 3 semester hours of statistics or permission of instructor.

**315. NUMERICAL ANALYSIS 3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CIS 131 and MTH 311. (CIS 315 is the same as MTH 315.)

**321. SYSTEMS ANALYSIS AND DESIGN**

**3 semester hours**

An indepth study of the development, design and implementation of a computer system. Practical approaches to solving business problems through case studies will be incorporated. Prerequisites: CIS 121 and 131.

**322. MANAGEMENT INFORMATION SYSTEMS**

**3 semester hours**

An in-depth study of management-oriented information systems: theory and practice. Study of information system impact on organizations and personal life in a computer-oriented society. An integral part of the course is the involvement of students — reading current journals and reporting in class. Prerequisite: CIS 321.

**331. DATA STRUCTURES**

**3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/-merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CIS 232.

**332. FILE PROCESSING**

**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CIS 331.

**341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAM I**

**3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly language programming. Prerequisite: CIS 131.

**342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAM II**

**3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CIS 341.

**351. DISCRETE STRUCTURES**

**3 semester hours**

An introduction to discrete mathematical structures which find applications in computer science. Undirected graphs, trees, directed graphs, formal languages, lattices, Boolean algebras, and combinations. Prerequisites: MTH 311 and CIS 111. (CIS 351 is the same as MTH 351.)

**371. SPECIAL TOPICS**

**1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CIS 111 or permission of instructor.

**421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE TECHNIQUES**

**3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CIS 331.

**431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS**

**3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CIS 332.

**435. ORGANIZATION OF PROGRAMMING LANGUAGES**

**3 semester hours**

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CIS 331.



**441. COMPUTER ARCHITECTURE AND SYSTEMS PROGRAMMING** 3 semester hours  
The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CIS 342.

**471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours  
Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.

**491. INDEPENDENT STUDY** 1-3 semester hours

## Cooperative Education

The Cooperative Education Program (Co-op) is designed to enable qualified Elon students in selected curricula to combine classroom theory with professional work experience while completing their degrees.

A Co-op student may work either two terms in a full-time job or for a maximum of six terms in a part-time job with an employer selected and/or approved by the College. The student is contacted periodically each term by the co-op faculty coordinator in addition to receiving the employer's supervision.

Credit hours for co-op periods are based on the average number of hours worked per week during the term. Semester credit hours for a part-time or 'Parallel' co-op experience vary from one to three, and a full-time experience awards four credits.

Any students who are enrolled in curricula offering the Cooperative Education Program and have completed a minimum of 50 semester hours are eligible to enter provided they meet the following requirements:

1. have Co-op faculty coordinator's recommendation
2. have a minimum 2.50 GPA in related area
3. complete the classroom course COE-210 — Introduction to Cooperative Education — either prior to or during first work term.
4. have approval from Co-op Director.

Interested students are encouraged to contact the Co-op Office for more information.

**210. INTRODUCTION TO COOPERATIVE EDUCATION** 1 semester hour  
A study of cooperative work experience education. All phases of the program are reviewed with particular attention devoted to preparing the student for entry into the world of work. The individual process of career decision making and methods of securing and retaining a job are emphasized.

**381-386. CO-OP WORK EXPERIENCE** 1-4 semester hours  
This series of courses provides the student with either a part-time or full-time work experience. The student learns by applying classroom/lab theory and skills in a job related to the degree major and/or career objectives. Prerequisite: Full admission to the Co-op Program.

## Cytotechnology

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Medical Director:* Adjunct Professor Peace

*Program Director:* Flinchum

Elon College offers Bachelor of Science and Associate in Science Programs in Cytotechnology in cooperation with Roche Biomedical Laboratories, Inc., of Burlington. The Cytotechnology Program is designed to meet the needs of students preparing for positions as Cytotechnologists in hospitals, clinics, commercial laboratories, and private physicians' laboratories. The work of the senior year (12 months) is given primarily at Roche Biomedical Laboratories.

The requirements for the Bachelor of Science degree are as follows: Cytotechnology 411, 412, 421, 422, 423, 424, 425, 426, 427, 428, 471, 481, 482, 483, 484, 485, 486; Biology 111, 221, 265, 311, plus 8 semester hours chosen from Biology 321, 322, 341, 345, 425; Chemistry 111, 112, 321-322; and Physics 111 or 112.

A student may be admitted to the cytotechnology courses at Roche Biomedical Laboratories after completing two academic years with a minimum of 64 semester hours specified in the pre-cytotechnology program. These requirements are as follows: Biology 111, 221, 265, plus 4 semester hours chosen from Biology 321, 322, 341, 345, 425; Chemistry 111, 112, 321-322; English 111, 112; Mathematics 111; Physical Education 160; plus courses which meet the General Studies requirements. Students successfully completing the first two years of the academic curriculum plus the 12 month cytotechnology program may elect to receive the Associate in Science degree.

Successful completion of the academic program does not automatically assure admission to the clinical studies since class size at Roche Biomedical Laboratories is limited. Admission is selective with priority given to Bachelor of Science degree candidates.

Students successfully completing the program are eligible to take the registry examination administered by the American Society of Clinical Pathologists (ASCP).

Transfer students who have successfully completed an approved precytotechnology program may enter directly into the Cytotechnology courses at Elon College.

### **411. ELEMENTARY CYTOLOGY**

**2 semester hours**

General fundamentals of cell structure and embryology as related to the field of cytology. Includes orientation to the field of cytology and the role of the cytotechnologist in health care delivery. Lectures and laboratory.

### **412. CLINICAL MICROSCOPY**

**1 semester hour**

The care and use of the light microscope. Lectures and laboratory.

- 421. CYTOLOGY AND PATHOLOGY OF THE FEMALE GENITAL SYSTEM** **6 semester hours**  
Cytology of the female genital tract in health and disease. The study of cells in normal, benign, and malignant stages of development. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 422. CYTOLOGY AND PATHOLOGY OF THE RESPIRATORY SYSTEM** **3 semester hours**  
Cytology of the respiratory system in health and disease. Study of the cell in normal conditions, in benign and malignant pathological conditions. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 423. CYTOLOGY AND PATHOLOGY OF THE BODY CAVITY FLUIDS** **3 semester hours**  
Cytology of the pericardial, pleural, and abdominal cavities and cerebral spinal fluid. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 424. CYTOLOGY AND PATHOLOGY OF THE URINARY TRACT AND MALE GENITAL SYSTEM** **2 semester hours**  
Study of the normal, benign, and malignant cell changes as they occur in health and disease of the urinary tract and male genital system. Prerequisites: CYT 411, 412.
- 425. CYTOLOGY AND PATHOLOGY OF THE ALIMENTARY TRACT** **2 semester hours**  
Study of the cytology of the alimentary canal in health and disease. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 426. CYTOLOGY AND PATHOLOGY OF THE BREAST** **1 semester hour**  
Cytology of breast secretion and aspirates. Cell changes resulting from benign diseases and malignant tumors. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 427. SPECIAL METHODS IN CYTOLOGY** **2 semester hours**  
Endometrial sampling techniques and aspiration biopsy cytology. Prerequisites: All lower numbered Cytology courses. Lectures and laboratory.
- 428. CYTOPREPARATORY TECHNIQUES AND RECORD KEEPING** **2 semester hours**  
Routine methods in cytology including specimen processing, staining, and record keeping. Lectures and laboratory.
- 471. SEMINAR** **1 semester hour**  
Literature search and presentations of individual student projects.
- 481. DIAGNOSTIC PRACTICUM I** **1 semester hour**  
Supervised prescreening of gynecologic tract specimens.
- 482. DIAGNOSTIC PRACTICUM II** **1 semester hour**  
Supervised prescreening of respiratory tract specimens; continued prescreening of a small number of gynecologic tract cases. Prerequisites: CYT 411, 412, 421, and 481.
- 483. DIAGNOSTIC PRACTICUM III** **2 semester hours**  
Supervised prescreening of specimens from urinary and alimentary tracts, breast and body cavity fluids, and miscellaneous body sites. Prerequisite: CYT 482.
- 484. ADVANCED PRACTICUM I** **3 semester hours**  
Supervised prescreening of undiagnosed gynecologic and nongynecologic specimens with increasing student proficiency requirements. Prerequisite: CYT 483.
- 485. ADVANCED PRACTICUM II** **3 semester hours**  
Advanced practice of cytotechnology. Prerequisite: CYT 484.
- 486. CYTOPREPARATORY TECHNIQUES II** **1 semester hour**  
Supervised rotation in the cytopreparatory laboratory. Prerequisite: CYT 428.

## Dance

The Dance program is listed under Fine Arts and Physical Education.

## Economics

*Chairman:* Associate Professor Toney

*Professor:* Shotzberger

*Associate Professor:* Tiemann

*Assistant Professors:* G. Azam, R. Williams, Wood

A major in Economics requires Economics 211, 212, 246, 311, 321, 331, 347, 411, 413, and 6 semester hours of economics electives on the junior-senior level. (Accounting 336 may be substituted for 3 elective hours in economics.) Additional course requirements are: Mathematics 111, 160 (or higher than 111); Accounting 211, 212; and Business Administration 412.

A minor in Economics requires Economics 211, 212, 311, 413, and 6 semester hours of economics electives.

### **211, 212. PRINCIPLES OF ECONOMICS**

**3 semester hours each semester**

National accounts, employment, fluctuations, money and banking, economic stabilization. Price theory, market structures, distribution theory, international trade.

### **246. STATISTICS FOR MANAGEMENT DECISIONS**

**3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 111, 160.

### **311. INTERMEDIATE ECONOMIC THEORY**

**3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

### **312. COMPARATIVE ECONOMIC SYSTEMS**

**3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

### **313. LABOR ECONOMICS**

**3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

### **321. MANAGERIAL ECONOMICS**

**3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: ECO 211, 212; MTH 111, 160.

### **331. MONEY AND BANKING**

**3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 211, 212.

### **332. PUBLIC FINANCE**

**3 semester hours**

A positive and normative approach to the role of government in the economy. Public expendi-



tures are discussed in light of pure theory, the theory of social choice, and practical application. The approach to taxation involves theory, resource allocation, income distribution, and analysis of various forms of taxation. Prerequisites: ECO 211, 212.

**347. STATISTICAL ANALYSIS**

**3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric Tests; Index Numbers and Time Series Analysis, Decision Theory. Prerequisite: ECO 246.

**411. DEVELOPMENT OF ECONOMIC THOUGHT**

**3 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

**412. INTERNATIONAL TRADE AND FINANCE**

**3 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

**413. INTERMEDIATE MACROECONOMIC THEORY**

**3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Education

*Chairman, Department of Education and Psychology:* Associate Professor Brogan

*Associate Professor:* Simon

*Assistant Professors:* Harper, Maness, Speas, Wooten

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Committee on Teacher Education, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina Department of Public Education, and maintain at least a 2.10 grade point average. Failure to maintain a 2.10 grade point average will result in the student being dismissed from the program. In all cases approval is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: The student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. Application forms for the teacher education program are available in the office of the chairman of the

Teacher Education Committee and must be filed by November 1 or April 1 of the semester immediately prior to the beginning of the student's junior year.

To be accepted for student teaching the student must be approved by a committee composed of faculty members of the Department of Education, have written approval of the major department, and have and maintain at least a 2.20 grade point average.

Upon completion of quantitative requirements a student must have a 2.20 cumulative grade point average and have met the minimum score requirements (as established by the North Carolina Department of Public Education) on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

### **Requirements for the Elementary Education Major**

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 211, 301, plus one additional 3 semester hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 231; Sociology 111, 112; and one semester hour of Computer Information Science.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 211, 301, plus one additional 3 semester hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 361; Political Science 231; Sociology 111; and one semester hour of Computer Information Science.

### **Requirements for the Middle Grades Education Major**

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 321, 331, 332; Economics 211; English 211; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 231; and Sociology 111. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210; English 111, 112, 211, 250, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and one semester hour of Computer Information Science.

A concentration in *Mathematics* requires Mathematics 111, 112, 160, 261, 262, 265; and Computer Information Science 111.

A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and one semester hour of Computer Information Science.

A concentration in *Science* requires Biology 201; Chemistry 101, 103; Natural Science 162; and Physics 101, 102, and one semester hour of Computer Information Science. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 231.

### **Requirements for the Secondary Education Major**

A major in Secondary Education consists of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 312, 322, 415, subject area materials and methods course (chosen from Education 421-426), 481; Psychology 321, 341; and one of the following major areas: Biology, Business Education (Office Administration), Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for the Special Subject Areas Education Majors**

A major in Special Subject Areas Education (grades K-12) consists of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education 211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Music 461-462); Psychology 321, 331, 341; and one of the following major areas: Music Education or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Minor Fields**

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

### **Special Note for Entering Students**

The requirements for all Education majors are being studied for regular re-accreditation purposes. All students enrolling in Elon College under this

catalog will be bound by the programs as approved by the N. C. Department of Public Instruction during the 1985 re-accrediting procedure. Currently enrolled students will be required to meet the requirements approved in 1985 insofar as possible.

**211. INTRODUCTION TO EDUCATION** **3 semester hours**  
A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

**281. PRACTICUM PRIOR TO STUDENT TEACHING** **1-3 semester hours**  
Designed for sophomores and juniors as a pre-student teaching field experience.

**311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6** **3 semester hours**  
The historical development and philosophical bases of public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

**312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS** **3 semester hours**  
The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

**321. READING IN THE ELEMENTARY SCHOOL** **3 semester hours**  
A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school classroom observation required.

**322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)** **3 semester hours**  
A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school classroom observation required.

**325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION** **3 semester hours**  
Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Prerequisite: EDU 321 or 322.

**411. MATERIALS AND METHODS IN ELEMENTARY GRADES** **6 semester hours**  
Evaluation, and selection of materials and methods used in the organization, planning, and teaching of communication skills, social studies, science and mathematics. Prerequisite: EDU 211.

**412. MATERIALS AND METHODS IN MIDDLE GRADES** **3 semester hours**  
Materials and methods used in teaching social studies and one additional area chosen from communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING** **2 semester hours**  
Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-426, the courses in materials and methods of each subject-matter concentration are listed below. Prerequisite: EDU 211.



**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH****2 semester hours**

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS****2 semester hours**

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics.

**423. MATERIALS AND METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION****2 semester hours**

Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE****2 semester hours**

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline.

**425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES****2 semester hours**

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation.

**426. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL BUSINESS EDUCATION****2 semester hours**

Training in teaching business subjects offered in the high school program; emphasis on methods of evaluating student performance, on the professional development of the business education teacher, and on materials used in the teaching of basic business.

**441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES****3 semester hours**

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Prerequisite: EDU 211.

**461. SEMINAR IN CLASSROOM ENVIRONMENT****3 semester hours**

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisites: EDU 211 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. SUPERVISED OBSERVATION AND STUDENT TEACHING****12 semester hours**

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 311 or 312, and appropriate methods course.

**491. INDEPENDENT STUDY****1-3 semester hours**

## English

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill

*Professors:* Blake, Smith

*Associate Professors:* J. Berry, Bland, Euliss

*Assistant Professors:* Angyal, Brittain, Lyday-Lee, Mackay, Maness,  
Mignifolo, Ponder, Vanderwerff

*Instructor:* P. Haworth

*Part-time Instructors:* A. Butler, Hoppe, R. House, Russell, J. Young

The major in English requires English 111, 112, 211, 221 or 222, 231, 232, 242 or 360, 243 or 320 or 361, 330 or 331 or 332, 334 or 335, 420 or 431, two courses selected from 250, 351, 352, 353; plus nine hours of electives in English (at least six of which must be on the 300-400 level). In addition to providing a broad range of courses, the English major allows the student to concentrate on one or more of the following areas: British literature, American literature, comparative literature, and the English language.

Students majoring in English for teacher certification are required to take English 111, 112, 211, 221 or 222, 231, 232, 242 or 360, 243 or 320 or 361, 250, 351, 352, 353, 420, plus nine hours of electives in English (at least six of which must be on the 300-400 level); Communications 210.

A major in Journalism-English requires Communications 210, 220, 225, 226, 245, 325, 345, 420, plus 9 semester hours (excluding practical experience) of Communications courses at the 300-400 level. A 3 semester hour Communications practical experience in either broadcasting or journalism is also required. Additional requirements include 21 semester hours of English courses (beyond English 111, 112), at least 12 semester hours of which must be 300-400 level courses.

A minor in English requires 18 semester hours of English courses beyond English 111 and 112, at least 9 semester hours of which must be 300-400 level courses.

### **100. BASIC WRITING SKILLS**

**3 semester hours**

A course with a lab designed to ensure the student's ability to apply basic grammar, usage and punctuation in writing, to use varied sentence patterns, and to compose well-developed paragraphs. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

### **106. READING SKILLS**

**3 semester hours**

Designed to improve reading comprehension, reading speed and vocabulary. Required of all entering freshmen and transfers except those who can demonstrate reading competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

### **111. FRESHMAN ENGLISH**

**3 semester hours**

A course in composition emphasizing grammar, sentence clarity, paragraph construction, and patterns of organization for entire essays.

- 112. FRESHMAN COMPOSITION AND RESEARCH METHODS** **3 semester hours**  
A continuation of English 111. A study of composition emphasizing logic and argument with some attention given to development of tone and style in the writing of essays. In addition, prose literature and research methods will be studied. Prerequisite: ENG 111.
- 211. INTRODUCTION TO LITERATURE** **3 semester hours**  
A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.
- 221. AMERICAN LITERATURE I** **3 semester hours**  
A survey of American Literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 222. AMERICAN LITERATURE II** **3 semester hours**  
A survey of American Literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 231. ENGLISH LITERATURE I** **3 semester hours**  
A survey of English Literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 232. ENGLISH LITERATURE II** **3 semester hours**  
A survey of English Literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 241. CLASSICAL LITERATURE** **3 semester hours**  
A study of Greek and Roman myth, drama, epic, and lyrical poetry. Readings will include writers such as Homer, Aeschylus, Sophocles, Euripides, Ovid, Virgil, Catullus, and Horace. Prerequisites: ENG 111, 112.
- 242. WORLD LITERATURE I** **3 semester hours**  
A survey of World Literature from the Book of Job through Montaigne in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 243. WORLD LITERATURE II** **3 semester hours**  
A survey of World Literature from Neoclassical to modern writers in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.
- 250. FUNDAMENTALS OF GRAMMAR** **3 semester hours**  
A study of the traditional description of the English language for the purpose of teaching terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.
- 251. ENGLISH STUDIES IN BRITAIN** **3 semester hours**  
A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.
- 301. CHILDREN'S LITERATURE** **3 semester hours**  
Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism-English major, or English minor. Prerequisites: ENG 111, 112, EDU 211.
- 320. LITERATURE OF THE SOUTH** **3 semester hours**  
A study of Southern literature, its background and themes, with attention given to major twentieth-century writers and to significant contemporaries. Prerequisites: ENG 111, 112.

**330. CHAUCER**

**3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background; the greater portion of *The Canterbury Tales*, *Troilus and Cressida*, two dream visions and several of the lyrics. Prerequisites: ENG 111, 112.

**331. SHAKESPEARE**

**3 semester hours**

The study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

**332. MILTON**

**3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth-century background. Prerequisites: ENG 111, 112.

**334. STUDIES IN THE ROMANTIC PERIOD**

**3 semester hours**

A study of selected major literary figures of the Romantic period with interpretive and biographical emphases. Topics vary. Prerequisites: ENG 111, 112.

**335. STUDIES IN THE VICTORIAN PERIOD**

**3 semester hours**

A study of selected prose and poetry of nineteenth-century England (1832-1900). Included in the study will be Tennyson, Browning, Carlyle, Arnold and others, as well as some characteristics of the period. Prerequisites: ENG 111, 112.

**351. THE ENGLISH LANGUAGE**

**3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG 111, 112.

**352. INTRODUCTION TO RHETORIC**

**3 semester hours**

A study of the resources of language as a vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

**353. INTRODUCTION TO LINGUISTICS**

**3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

**360. DRAMATIC LITERATURE I**

**3 semester hours**

A survey of classical, oriental and European drama from the Greek tragedians through French and English Neoclassical playwrights. Prerequisites: ENG 111, 112.

**361. DRAMATIC LITERATURE II**

**3 semester hours**

A study of world drama of the nineteenth and twentieth centuries, from Ibsen and Chekhov through Albee and Shaffer. Course will include an introduction to critical concepts and vocabulary of the modern theater. Prerequisites: ENG 111, 112.

**362. A STUDY OF FILMS**

**3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112. (ENG 362 is the same as COM 362.)

**365. LITERATURE AND THEOLOGY**

**3 semester hours**

A study focusing on the relationship between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112. (ENG 365 is the same as REL 365.)

**420. THE AMERICAN NOVEL**

**3 semester hours**

A study of representative types of American novels from the nineteenth century to the present. Prerequisites: ENG 111, 112.



**431. THE BRITISH NOVEL**

**3 semester hours**

A study of representative types of British novels from the eighteenth century to the present. Prerequisites: ENG 111, 112.

**441. POETRY**

**3 semester hours**

A study of the major types of poetry. Prerequisites: ENG 111, 112.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Recurring courses are: Appalachian Mountain Literature; Hemingway and Fitzgerald; Modern Black American Literature; The American West, Contemporary British and American Literature; The Political Novel; Images of Women in Fiction; Myth, Fantasy and Modern Fiction; Types of Love in Literature; Laughter and Comedy; Literature and Social Justice; Science and Human Values.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Fine Arts**

*Professors:* Artley, J. White

*Assistant Professor:* Cofield

*Part-time Professor:* Westafer

*Part-time Instructors:* Gray, Kerns, Wellford

A minor in Dance requires 18 semester hours distributed as follows: three courses selected from Fine Arts/Physical Education 103, 104, 112, 113, 114; two courses selected from Fine Arts/Physical Education 201, 202, 203; two semesters of Fine Arts/Physical Education 204; two courses selected from Fine Arts/Physical Education 365, 366, 367; plus 3 semester hours of additional dance courses at the 200 or higher level.

**103. DANCE SURVEY**

**1 semester hour**

Study and participation in a wide variety of folk and square dances and the fundamentals of modern and social dancing. (FA 103 is the same as PE 103.)

**104. MODERN DANCE I**

**1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history, the choreography and outstanding modern dance personalities. (FA 104 is the same as PE 104.)

**112. BALLET I**

**1 semester hour**

Study and participation in classical ballet techniques. (FA 112 is the same as PE 112.)

**113. JAZZ DANCE I**

**1 semester hour**

Exploration of the various jazz dance techniques and styles as well as an introduction to the history and choreography of jazz dance. (FA 113 is the same as PE 113.)

**114. DANCE IMPROVISATION**

**1 semester hour**

The study and composition of movements which are created both individually and corporately through performance of several improvised dance movement phrases. (FA 114 is the same as PE 114.)

**201. MODERN DANCE II**

**2 semester hours**

Exploration and comparison of the various modern dance techniques and theories at the intermediate level. Prerequisite: FA/PE 104 or permission of instructor. (FA 201 is the same as PE 201.)

- 202. BALLET II** **2 semester hours**  
 Participation in intermediate level ballet exercises, combinations and study. Prerequisite: FA/PE 112 or permission of instructor. (FA 202 is the same as PE 202.)
- 203. JAZZ DANCE II** **2 semester hours**  
 Exploration of the various jazz dance techniques at the intermediate level, in-depth study of the choreographic process, and study of persons and events which have shaped the history of jazz dance. Prerequisite: FA/PE 113 or permission of instructor. (FA 203 is the same as PE 203.)
- 204. DANCE ENSEMBLE** **1 semester hour**  
 A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. May be repeated for credit. Prerequisite: FA/PE 104 or 112 or equivalent dance experience. (FA 204 is the same as PE 204.)
- 211. INTRODUCTION TO FINE ARTS** **3 semester hours**  
 A comparative study of major artistic styles and movements using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses and purposes, its esthetic values and how an artist communicates to his public.
- 215. INTRODUCTION TO MUSIC LITERATURE** **3 semester hours**  
 (Same course as MUS 215. See MUS 215 for description.)
- 218. HISTORY OF JAZZ** **3 semester hours**  
 (Same course as MUS 218. See MUS 218 for description.)
- 221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES** **3 semester hours**  
 (Same course as ART 221. See ART 221 for description.)
- 223. HISTORY OF ART: RENAISSANCE TO THE PRESENT** **3 semester hours**  
 (Same course as ART 223. See ART 223 for description.)
- 251. FINE ARTS STUDIES IN ENGLAND** **3 semester hours**  
 A study-tour in London with emphasis on theaters, concerts and places of cultural importance. Winter Term only.
- 360. INTRODUCTION TO THEATER** **3 semester hours**  
 An exploration of the theater as a dynamic art form and how the author, director, actor and designer work together to create the final product.
- 361. THEATER WORKSHOP** **1-3 semester hours**  
 A practicum in all aspects of drama production. Students accepted by audition with the production director.
- 363. FUNDAMENTALS OF ACTING** **3 semester hours**  
 Designed to teach students to express themselves freely in the theater environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, a sense of the operative theater, and a better knowledge of dramatic form. Prerequisite: Permission of instructor.
- 364. CHILDREN'S THEATER** **3 semester hours**  
 The course emphasizes how to produce and direct plays for young people and develops an understanding of the value and place of children's theater in modern society.
- 365. METHODS AND MATERIALS OF DANCE** **3 semester hours**  
 (Same course as PE 365. See PE 365 for description.)

**366. DANCE CHOREOGRAPHY**

**3 semester hours**

Designed to introduce the student to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (FA 366 is the same as PE 366.)

**367. HISTORY OF DANCE**

**3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical comedy, religious and social dance. (FA 367 is the same as PE 367.)

**368. HISTORY OF AMERICAN MUSICAL THEATER**

**3 semester hours**

A survey of the development of musical comedy in America from its origins in 1866 to the present. Major works, composers, lyricists, librettists and choreographers are studied. (FA 368 is the same as MUS 368.)

**421. MUSICAL THEATER WORKSHOP**

**3 semester hours**

A practicum in all aspects of musical theater production. Students accepted by audition with the production director. Winter term only.

## **Foreign Languages**

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill

*Associate Professor:* W. Rich

*Assistant Professors:* Lunsford, Ornstein, Rodriguez

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in Foreign Languages requires 18 semester hours (or the equivalent) of foreign language instruction. At least 12 of the semester hours must be taken in one language. A student may not receive credit for both the Spanish and the Foreign Language minors.

**FRENCH 111, 112. ELEMENTARY FRENCH**

**3 semester hours each semester**

Introduction to the essentials of French grammar, pronunciation, composition, conversation and civilization.

**FRENCH 211, 212. INTERMEDIATE FRENCH**

**3 semester hours each semester**

Systematic review of the fundamentals of French at an intermediate level. Readings are designed to increase vocabulary and promote cultural discussions. Prerequisites: two units of high school French or FRE 111, 112 or equivalent.

**FRENCH 371. SPECIAL TOPICS**

**3 semester hours**

**GERMAN 111, 112. ELEMENTARY GERMAN**

**3 semester hours each semester**

Introduction to the essentials of German grammar, pronunciation, composition, conversation and civilization.

**GERMAN 211, 212. INTERMEDIATE GERMAN** 3 semester hours each semester  
Systematic review of the fundamentals of German at an intermediate level. Readings are designed to increase vocabulary and promote cultural discussions. Prerequisites: two units of high school German or GER 111, 112 or equivalent.

**GERMAN 371. SPECIAL TOPICS** 3 semester hours

**GREEK 111, 112. ELEMENTARY GREEK** 3 semester hours each semester  
Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

**GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK** 3 semester hours each semester  
Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 111, 112. ELEMENTARY SPANISH** 3 semester hours each semester  
Essentials of grammar, pronunciation, composition, conversation.

**SPANISH 211, 212. INTERMEDIATE SPANISH** 3 semester hours each semester  
Systematic review of the fundamentals of Spanish, with oral drill, composition, and emphasis on development of reading skills. Prerequisites: two units of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION** 3 semester hours  
Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION** 3 semester hours  
Continued work in conversation with new emphasis in writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I** 3 semester hours  
A chronological survey of the development of the literature of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II** 3 semester hours  
A chronological survey of the literature of Spain during the eighteenth through twentieth centuries. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 341. LATIN-AMERICAN LITERATURE I** 3 semester hours  
The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 342. LATIN-AMERICAN LITERATURE II** 3 semester hours  
A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours

**SPANISH 491. INDEPENDENT STUDY** 1-3 semester hours



## Geography

*Chairman, Department of Social Sciences:* Associate Professor Watts  
*Assistant Professor:* Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 201, and Chemistry 103.

- 121. PHYSICAL GEOGRAPHY** **3 semester hours**  
A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them, and maps used to represent them.
- 131. WORLD REGIONAL GEOGRAPHY** **3 semester hours**  
A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region and on the nature of man's adaptation in each.
- 212. RESEARCH METHODS IN SOCIAL SCIENCE** **3 semester hours**  
(Same course as PS 212. See PS 212 for description.)
- 311. GEOGRAPHY OF THE UNITED STATES AND CANADA** **3 semester hours**  
A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.
- 321. GEOGRAPHY OF EUROPE** **3 semester hours**  
A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.
- 331. GEOGRAPHY OF NORTH CAROLINA** **3 semester hours**  
North Carolina's natural environment, population, political organization, and economy. State-wide patterns and trends are used to define regions of the state and are placed in the national context.
- 341. URBAN GEOGRAPHY AND PLANNING** **3 semester hours**  
The spatial study of urban settlement. The system of cities and their internal land-use and activity patterns, with particular reference to North American developments. Offered alternate years.
- 343. ECONOMIC GEOGRAPHY** **3 semester hours**  
A study of the human and environmental influences on the locations of the different types of economic activity and the resulting spatial patterns. Emphasis on location of agricultural and manufacturing production and the distribution of the various land uses within cities. Offered alternate years.
- 471. SEMINAR: SPECIAL TOPICS** **3 semester hours**
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## History

*Chairman, Department of Social Sciences:* Associate Professor Watts  
*Professors:* Delp, Moncure, G. Troxler  
*Associate Professors:* Crowe, C. Troxler  
*Assistant Professor:* L. Rich

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from Political Science; plus 9 semester hours on the junior-senior level from the Social Sciences, Literature, Religion, or from any course in Philosophy, Psychology, or Foreign Language.

History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in History. A minor in American History requires History 211, 212, one seminar in American History, and nine elective hours in United States or Latin American History. A minor in European History requires History 111, 112, one seminar in European or English History, and nine elective hours from European, English, and/or Russian History.

**111, 112. HISTORY OF WESTERN CIVILIZATION** **3 semester hours each semester**  
European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

**211, 212. AMERICAN HISTORY** **3 semester hours each semester**  
American History from the period of discovery and colonization to the present. Emphasis is upon certain fundamental themes in American history and forces that have shaped American life. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

**251. HISTORY STUDIES ABROAD** **3 semester hours**  
A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

**311, 312. HISTORY OF ENGLAND** **3 semester hours each semester**  
English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

**313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS** **3 semester hours**  
The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

**314. LATIN AMERICA IN THE TWENTIETH CENTURY** **3 semester hours**  
A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112 or 212 or permission of instructor.

**315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD** **3 semester hours**  
A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Emphasis is placed on the various elements in Russia's past that have molded its historical character. Prerequisites: HST 111 or 112 or permission of instructor.

**316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD** 3 semester hours  
A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world as well as the leadership role the USSR has played in the world communist movement. Prerequisite: HST 112 or permission of instructor.

**321. HISTORY OF MODERN CHINA** 3 semester hours  
A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

**341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours  
Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours  
(Same course as PS 342. See PS 342 for description.)

**343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES** 3 semester hours  
A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisites: HST 211, 212 or permission of instructor.

**344. THE SOUTH IN AMERICAN HISTORY** 3 semester hours  
The civilization of the South from the time the region became conscious of its identity to the present. Particular consideration is given to the effects of the Civil War and Reconstruction, significant political trends, development in agriculture and industry, educational and cultural progress, the Negro, World War II, and the South today. Prerequisites: HST 211, 212 or permission of instructor.

**345. AMERICAN MILITARY HISTORY** 3 semester hours  
A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class, as an element of the nation's diplomacy, and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

**346. NORTH CAROLINA HISTORY** 3 semester hours  
The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

**348. UNITED STATES SINCE 1933** 3 semester hours  
A study of recent American history with emphasis on the political, social and intellectual forces which have shaped American development since the Great Depression. Prerequisite: HST 112 or permission of instructor.

**353. EUROPE IN TRANSFORMATION, 1100-1600** 3 semester hours  
A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

**354. EUROPE 1600-1791**

**3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolutions. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

**355. NINETEENTH CENTURY EUROPE, 1791-1914**

**3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism along with the growth of modern ideologies. Prerequisite: HST 112 or permission of instructor.

**357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT**

**3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA**

**3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789**

**3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, political developments, and social and economic trends. Prerequisite: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR**

**3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM**

**3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH**

**3 semester hours**

Topics include the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. The course begins with the accession of Henry VII in 1485 and ends with the death of Elizabeth I in 1603. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION**

**3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN APPLIED HISTORY**

**3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered Spring semester.



**491. INDEPENDENT STUDY**

**3 semester hours**

Open only to history majors and minors who have junior or senior standing or by permission of instructor.

**Human Services**

*Chairman:* Assistant Professor Higgs

*Associate Professors:* Brogan, Granowsky

*Assistant Professors:* P. Kiser, P. Morgan

A major in Human Services requires Human Services 211, 212, 333, 351, 381, 411, 412, 413, 481; Psychology 211, 331, 341, 421; Sociology 111, 211, 311; Mathematics 265; and Philosophy 111 or 115 or Religion 241. Additional requirements are 6 semester hours selected from Human Services 231, 431, 471 (topics approved by the department), History 343, Psychology 332 and 441.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the Practicum are available in the office of the Department Chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for Practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship in the Fall Semester must be submitted no later than March 1. Applications for taking the Internship in the Spring Semester must be submitted no later than October 1. A minimum grade point average of 2.20 is required to be eligible for the Block courses — Internship sequence.

**203. LEADERSHIP**

**2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, to gain an understanding of personal and community problems, and to study change and its influence upon persons and structures. Open to all students and required of all Resident Counselors.

**211. INTRODUCTION TO HUMAN SERVICES**

**3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

**212. METHODS IN HUMAN SERVICES**

**3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

**231. SOCIAL GROUP WORK**

**3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

**333. ABNORMAL BEHAVIOR**

**3 semester hours**

An overview of behavior pathology including an historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior including neuroses, psychoses, psychosomatic disorders, affective disorders, suicide, sexual deviations and sociopathic disorders. Prerequisite: PSY 211. (HUS 333 is the same as PSY 333.)

**351. ADULT DEVELOPMENT**

**3 semester hours**

An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, affective, social and spiritual). Prerequisite: PSY 211. (HUS 351 is the same as PSY 351.)

**381. PRACTICUM IN HUMAN SERVICES**

**3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.

**411. ADMINISTRATION, SUPERVISION AND FINANCE OF  
HUMAN SERVICES AGENCIES**

**3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

**412. PROFESSIONAL COMMUNICATION**

**3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

**413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES**

**3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.

**431. PRINCIPLES OF COUNSELING**

**3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**481. INTERNSHIP**

**6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Journalism

The journalism program is listed under Communications.

## Mathematics

*Chairman, Department of Mathematics and Computer Information Science:* Associate Professor R. Haworth

*Professor:* Francis

*Associate Professors:* Alexander, Barbee, W. Hightower

*Assistant Professors:* V. Hightower, Reichard, Speas

*Instructors:* Carpenter, D. Williams

*Part-time Instructors:* C. Holt, Richardson, Scarlett, Whitaker

A major in Mathematics requires Mathematics 111, 112, 121 (or 161), 221, 222, 241, 311, 312, 321, 425; 9 additional semester hours of Mathematics at the 300-400 level; 3 semester hours of Computer Information Science; and Physics 111, 112.

For the student planning to teach mathematics required courses are Mathematics 111, 112, 121 (or 161), 221, 222, 241, 311, 312, 321, 331, 341, 425; 3 semester hours of Computer Information Science; and Physics 111, 112.

A minor in Mathematics requires Mathematics 111, 112, 121 or 161, 221, 311, and one additional three semester hour course selected from Computer Information Science, Economics 246, or a Mathematics course numbered 200 or above (excluding 261, 262).

A student may exempt Math 111 and/or 112 by demonstrating proficiency.

### **100. INTRODUCTORY ALGEBRA**

**3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebraic fractions, radicals and applications. This course or a demonstrated competence is required of students. This course is not applicable to general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite.

### **111. COLLEGE ALGEBRA**

**3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

### **112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS**

**3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

### **121. CALCULUS AND ANALYTIC GEOMETRY I**

**3 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions; curve sketching, applications of the derivative. Prerequisite: MTH 111 or competency. Credit will not be given for both MTH 121 and 161.

### **160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS**

**3 semester hours**

Topics covered include progressions, matrices and determinants, linear systems, logarithms, permutations, combinations, probability, and the binomial expansion.

### **161. A CALCULUS OVERVIEW**

**3 semester hours**

A course designed as a service to other departments that desire a non-rigorous introduction to the concepts of function, limit, differentiation, integration and their respective applications. Not recommended for Mathematics majors. Prerequisite: MTH 111 or competency. Credit will not be given for both MTH 121 and 161.

**221. CALCULUS AND ANALYTIC GEOMETRY II**

**3 semester hours**

The definite integral as the limit of a sum; the fundamental theorem of integral calculus; applications of the definite integral; conic sections; differentiation and integration of transcendental functions. Prerequisites: MTH 112 and 121 (or 161).

**222. CALCULUS AND ANALYTIC GEOMETRY III**

**3 semester hours**

Methods of integration and further applications; parametric equations; polar coordinates; limits and continuity. Prerequisite: MTH 221.

**241. MATHEMATICAL LOGIC**

**3 semester hours**

An introduction to symbolic logic and axiomatics. Prerequisite: MTH 111 or permission of department.

**261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**3 semester hours each semester**

Primarily a content course open only to those students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261 or permission of department.

**265. ELEMENTARY STATISTICS**

**3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 or demonstrated competency. Credit will not be given for both MTH 265 and ECO 246.

**311. LINEAR ALGEBRA**

**3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221.

**312. MODERN ALGEBRA**

**3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

**315. NUMERICAL ANALYSIS**

**3 semester hours**

(Same course as CIS 315. See CIS 315 for description.)

**321. CALCULUS AND ANALYTIC GEOMETRY IV**

**3 semester hours**

Indeterminate forms; infinite series; solid analytic geometry; partial differentiation; multiple integration; applications. Prerequisite: MTH 222.

**331. MODERN GEOMETRY**

**3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

**341. PROBABILITY THEORY AND STATISTICS**

**3 semester hours**

Sample space, combinations, random variables, distributions, central limit theorem. Prerequisite: MTH 221.

**351. DISCRETE STRUCTURES**

**3 semester hours**

(Same course as CIS 351. See CIS 351 for description.)



**421. DIFFERENTIAL EQUATIONS**

**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 222.

**425, 426. ANALYSIS**

**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321 or permission of department.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## Medical Laboratory Technician

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Program Director:* Mroz

*Adjunct Associate Professor and Medical Director:* Powell

*Adjunct Assistant Professors:* Flora, Geyer, Knesel

*Education Coordinator:* Thornton

The medical or clinical laboratory technician is defined as one who has an associate degree from a CAHEA accredited program with courses in biology, chemistry and medical laboratory technology or who has an equivalent education; one who is able to perform general laboratory procedures; and one who requires only limited supervision by a physician or appropriately certified professional. The Medical Laboratory Technician Program is offered in cooperation with Roche Biomedical Laboratories, Inc., of Burlington and is accredited by CAHEA of the American Medical Association. Graduates of the program are eligible for national certification examinations.

The Associate in Science degree in Medical Laboratory Technician requires 66 semester hours as follows: Medical Laboratory Technician 111, 112, 221, 222, 223, 226, 231, 251, 281, 282, 283, 284, 285; Chemistry 111; Biology 265; and one semester hour of Computer Information Science. Students must also take the following General Studies courses: English 111, 112; Mathematics 111 or higher; Physical Education 160.

Admission to the Medical Laboratory Technician Program is selective because of the limited number of positions. A separate application is required, and information is available from the Admissions Office or the MLT Office.

Graduates of the MLT Program may elect to complete a B.S. degree which includes additional requirements: two courses chosen from Biology 311, 312, 321, 322, 341, 345, and 425; Mathematics 112; Physics 111 or 112; Chemistry 321-322; and hours to meet the General Studies requirements to total a minimum of 126 semester hours. Students should note that Biology 111 and Chemistry 112 are prerequisites to some of the required courses. Graduates planning to take a higher certification should strongly consider taking Biol-

ogy 321. Students desiring a minor in Biology must take two additional Biology electives.

**111-112. INTRODUCTION TO CLINICAL LABORATORY I & II** **4 and 2 semester hours**

An orientation to medical laboratory technology which emphasizes the role of the medical laboratory technician in the health care delivery system, medical terminology, basic laboratory techniques, laboratory mathematics, and modern instrumentation. An introduction to Clinical Microbiology, Urinalysis, Clinical Chemistry, Hematology, and Immunology are included. In addition, parasitology, serology, and basic protein theory will be covered. A continuous course which must be completed for credit toward a degree. Includes both class and laboratory hours.

**221. HEMATOLOGY** **4 semester hours**

The study of the formation, composition, and functions of blood cells. Study of coagulation and blood disorders with emphasis on manual and automated hematological procedures. Prerequisites: CHM 111, MLT 111-112. Corequisite: BIO 265.

**222. CLINICAL MICROBIOLOGY** **4 semester hours**

Principles of clinical/medical microbiology including the preparation of media, planting of biological cultures, identification and differentiation of commonly contaminated materials. Microorganisms studied will include bacteria, fungi, rickettsia, and an introduction to viruses. Parasites will be reviewed. Prerequisites: CHM 111, MLT 111-112, BIO 265.

**223. IMMUNOHEMATOLOGY** **4 semester hours**

Basic principles of blood banking and immunology. Includes antigen-antibody reactions as they apply to preparation of blood for transfusion and identification of antibodies due to disease. Prerequisites: CHM 111, BIO 265, MLT 111-112.

**226. URINALYSIS** **2 semester hours**

The study of the physical, chemical, and microscopic properties of urine and its relation to the functions of the organ systems. Prerequisites: CHM 111, BIO 265, MLT 111-112.

**231. CLINICAL CHEMISTRY** **5 semester hours**

Introduction to basic clinical laboratory chemistry and instrumentation. Analysis of blood and other body fluid for chemical constituents, procedure principles, normal values, testing procedures and basic lab techniques, introduction to quality control, preparation of solutions, and review of laboratory mathematics. Prerequisites: CHM 111, BIO 265, MLT 111-112.

**251. CLINICAL COMPREHENSIVE** **1 semester hour**

A comprehensive review of concepts in MLT practice, MLT theory, and MLT problem solving. Topics covered are those that frequently occur on the national certification examinations. Prerequisites: CHM 111, BIO 265, and all required MLT courses (academic and practical).

**281. URINALYSIS PRACTICUM** **2 semester hours**

Practical application of knowledge and skills learned in MLT 226 in a clinical environment in order to develop a laboratory worker who can perform routine urinalysis procedures with minimal supervision and utilize appropriate quality control and safety practices. Primarily manual techniques with limited exposure to automated techniques. Prerequisites: CHM 111, BIO 265, all MLT academic courses.

**282. MICROBIOLOGY PRACTICUM** **4 semester hours**

Practical application of knowledge and skills learned in MLT 222 in a clinical environment using manual and limited automated techniques in order to develop a laboratory worker who can perform routine microbiological procedures with minimal supervision and utilize appropriate quality control and safety practices. Prerequisites: CHM 111, BIO 265, and all MLT academic courses.

**283. HEMATOLOGY PRACTICUM**

**4 semester hours**

Practical application of knowledge and skills learned in MLT 221 in a clinical environment using manual and automated techniques in order to develop a laboratory worker who can perform routine hematological procedures with minimal supervision and utilize appropriate quality control and safety practices. Prerequisites: CHM 111, BIO 265, and all MLT academic courses.

**284. IMMUNOHEMATOLOGY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills learned in MLT 223 in a clinical environment using manual and limited automated techniques in order to develop a laboratory worker who can perform routine blood banking, serological, and immunological procedures with minimal supervision and utilize appropriate quality control and safety practices. Prerequisites: CHM 111, BIO 265, and all MLT academic courses.

**285. CLINICAL CHEMISTRY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills learned in MLT 231 in a clinical environment using manual and automated techniques in order to develop a laboratory worker who can prepare solutions, perform routine mathematical operations, and perform routine chemical procedures with minimal supervision and utilize appropriate quality control and safety practices. Prerequisites: CHM 111, BIO 265, and all MLT academic courses.

## **Military Science**

*Chairman, Department of Military Science:* Assistant Professor McCarther

*Assistant Professors:* Joyce, Webber

*Instructors:* J. Jackson, Wilson

Elon College, in a cooperative agreement with North Carolina A & T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: Branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

*Advanced Course:* Students who receive appropriate credit for the basic

course and meet eligibility standards are admitted to the advanced course on a best qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

#### **111. INTRODUCTION OF CITIZEN/SOLDIER**

**1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

#### **112. INTRODUCTION TO UNITED STATES MILITARY FORCES IN SUPPORT OF NATIONAL DEFENSE**

**1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

#### **141, 142. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

#### **211. MAP READING SKILL DEVELOPMENT**

**1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

#### **212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES**

**1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

#### **241, 242. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

#### **251. ARMY ROTC BASIC CAMP**

**4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army History, Role and Mission, Map Reading/Land Navigation, Rifle Marksmanship, Basic Leadership Techniques, Physical Training/Marches, Individual and Unit Tactics, Communications, First Aid, Drill, Parades and Ceremonies, Military Courtesy, and Traditions. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

#### **311. LEADERSHIP TRAINING**

**2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.



**312. INTRODUCTION TO MILITARY TEAM THEORY**

**2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to small unit communication systems and patrolling. The role of each branch of the Army.

**341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

**351. ARMY ROTC ADVANCED CAMP**

**4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This training provides cadets with practical experience in leadership, military training, small unit tactics, weapons qualifications, and communications. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

**411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics.

**412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION**

**2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

**441, 442. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill and ceremonies.

**451. AIRBORNE TRAINING**

**3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft flying at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

## Music

*Professors:* Artley, J. White

*Associate Professor:* Bragg

*Assistant Professors:* Cofield, Glenn

*Part-time Instructors:* Belk, Bingenheimer, Jacobson, King, P. Sullivan

### Requirements for the Major in Music

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 311, 312, 313, 314, 315, 316, 411 or 412, 8 semesters of applied study, 8 semesters of ensemble (choirs, bands, orchestra), aural and keyboard proficiency and concert attendance as required each semester. Applied music requirements are met when the student has completed 8 semesters of study in his major performance medium and has presented a formal solo recital which is accepted by the music faculty. In exceptional cases, a diploma for outstanding performance may be earned in any area of applied music.

### **Requirements for the Major in General Music**

A major in General Music for the A.B. degree has the same courses, ensemble, aural/keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must show, through performance, attainment of at least a 300-level in his performing medium.

### **Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 314, 315, 316, 361, 362, 363, 364, 365, 366, 367, 411, 461, 462, 7 semesters of applied study, 9 semester hours of ensemble (choirs, bands, orchestra; at least 2 hours in band or orchestra and 2 hours in choirs), aural and keyboard proficiency and concert attendance as required each semester. Applied music requirements are met when the student has successfully completed 7 semesters of study in his major performance medium and has presented a half-recital which is accepted by the music faculty.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **General Regulations**

All music majors must pass their aural and keyboard proficiencies by the end of their sophomore years. If the proficiency examinations are not passed at that time, it will be necessary for the student to change majors.

All students must appear in student recitals and musical programs as assigned and at the discretion of their instructors or directors.

Because of the lock-step nature of the music major, it is necessary for the new student to begin the major program immediately to avoid additional semesters in order to complete the degree requirements. Majors in Music Education will find, in many cases, it necessary to enroll for one or two summer sessions, or a ninth semester, in order to complete the requirements for certification and the music degree.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103) and a minimum of 5 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### **Applied Music — Individual Instruction**

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the Chairman. With permission of the Chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute

lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week.

**Piano:**

120, 121, 220, 221, 320, 321, 420, 421

**Voice:**

122, 123, 222, 223, 322, 323, 422, 423

**Organ:**

124, 125, 224, 225, 324, 325, 424, 425

**Brass Instruments:****Trumpet:**

126, 127, 226, 227, 326, 327, 426, 427

**French Horn:**

128, 129, 228, 229, 328, 329, 428, 429

**Trombone:**

130, 131, 230, 231, 330, 331, 430, 431

**Baritone or Tuba:**

132, 133, 232, 233, 332, 333, 432, 433

**Woodwind Instruments:****Flute:**

134, 135, 234, 235, 334, 335, 434, 435

**Clarinet:**

136, 137, 236, 237, 336, 337, 436, 437

**Saxophone:**

138, 139, 238, 239, 338, 339, 438, 439

**Oboe or Bassoon:**

140, 141, 240, 241, 340, 341, 440, 441

**String Instruments:****Violin or Guitar:**

142, 143, 242, 243, 342, 343, 442, 443

**Viola:**

144, 145, 244, 245, 344, 345, 444, 445

**Cello:**

146, 147, 246, 247, 346, 347, 446, 447

**String Bass:**

148, 149, 248, 249, 348, 349, 448, 449

**Percussion:**

150, 151, 250, 251, 350, 351, 450, 451

## Applied Music Classes — Group Instruction

152, 153. VOICE CLASS (non-voice majors)	1 semester hour each semester
154. PIANO CLASS (non-music major — beginner)	1 semester hour
155. PIANO CLASS (non-music major — intermediate)	1 semester hour
156. PIANO CLASS (music major — beginner)	1 semester hour
157. PIANO CLASS (music major — intermediate)	1 semester hour
158, 159. DICTION FOR SINGERS (voice majors only)	1 semester hour each semester

## Music Materials, Structures and Techniques

111, 112. THE MATERIALS OF MUSIC I & II 3 semester hours each semester  
 A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions.

113, 114. MUSIC SKILLS LAB I & II 1 semester hour each semester  
 Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

**211, 212. THE MATERIALS OF MUSIC III & IV** **3 semester hours each semester**  
A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisites: MUS 112, 114.

**213, 214. MUSIC SKILLS LAB III & IV** **1 semester hour each semester**  
Designed to be taken in conjunction with Music 211, 212.

**311. COUNTERPOINT I** **2 semester hours**  
Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisites: MUS 212, 214.

**312. COUNTERPOINT II** **2 semester hours**  
Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

**313, 314. FORM AND ANALYSIS** **2 semester hours each semester**  
Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisites: MUS 212, 214.

**411. INSTRUMENTAL AND CHORAL ARRANGING** **2 semester hours**  
Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisites: MUS 212, 214.

**412. COMPOSITION** **2 semester hours**  
Designed to explore the various approaches to composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisites: MUS 314, 411.

## Literature and History

**215. INTRODUCTION TO MUSIC LITERATURE** **3 semester hours**  
Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the new music major as an early general survey of the literature. Open to the general student, and required of music majors in their first semester. (MUS 215 is the same as FA 215.)

**218. HISTORY OF JAZZ** **3 semester hours**  
A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1895. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES** **3 semester hours each semester**  
A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisites: MUS 212, 214.

**368. HISTORY OF AMERICAN MUSICAL THEATER** **3 semester hours**  
(Same course as FA 368. See FA 368 for description.)

## Music Education

**261. MUSIC IN THE ELEMENTARY SCHOOL** **3 semester hours**  
A study for the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.



The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

- |                                |                                      |
|--------------------------------|--------------------------------------|
| <b>361. PERCUSSION METHODS</b> | <b>1 semester hour</b>               |
| <b>362. BRASS METHODS</b>      | <b>1 semester hour</b>               |
| <b>363. WOODWIND METHODS</b>   | <b>1 semester hour</b>               |
| <b>364. CHORAL METHODS</b>     | <b>1 semester hour</b>               |
| <b>365. STRING METHODS</b>     | <b>1 semester hour</b>               |
| <b>366-367. CONDUCTING</b>     | <b>1 semester hour each semester</b> |
- Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices. Prerequisites: MUS 212, 214.
- |  |                                       |
|--|---------------------------------------|
| <b>461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOL</b> | <b>3 semester hours each semester</b> |
|--|---------------------------------------|
- A study of methods and materials suitable for the elementary, middle and senior school levels. Prerequisites: MUS 212, 214.

### Ensembles

- |  |                        |
|--|------------------------|
| <b>101. BAND (open to all students)</b>    | <b>1 semester hour</b> |
| <b>102. CHOIR (open to all students)</b>   | <b>1 semester hour</b> |
| <b>103. ORCHESTRA (by audition)</b>        | <b>1 semester hour</b> |
| <b>104. JAZZ ENSEMBLE (by audition)</b>    | <b>1 semester hour</b> |
| <b>105. CHAMBER SINGERS (by audition)</b>  | <b>1 semester hour</b> |
| <b>106. CHAMBER ENSEMBLE (by audition)</b> | <b>1 semester hour</b> |

### Other Offerings

- |                                      |                         |
|--------------------------------------|-------------------------|
| <b>251. MUSIC STUDIES IN ENGLAND</b> | <b>3 semester hours</b> |
|--------------------------------------|-------------------------|
- A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.
- |   |                         |
|---|-------------------------|
| <b>360. METHODS AND MATERIALS OF PIANO PEDAGOGY</b> | <b>2 semester hours</b> |
|---|-------------------------|
- Designed for students interested in teaching piano in a private studio. The course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.
- |                                     |                           |
|-------------------------------------|---------------------------|
| <b>471. SEMINAR: SPECIAL TOPICS</b> | <b>1-3 semester hours</b> |
|-------------------------------------|---------------------------|
- Small group study under the guidance of a member of the staff.
- |  |                           |
|--|---------------------------|
| <b>481. PRACTICUM IN MUSIC THEATER</b> | <b>1-3 semester hours</b> |
|--|---------------------------|
- A practicum in all aspects of musical theater production. Students accepted by audition with the production director.
- |                               |                           |
|-------------------------------|---------------------------|
| <b>491. INDEPENDENT STUDY</b> | <b>1-3 semester hours</b> |
|-------------------------------|---------------------------|
- |   |                         |
|---|-------------------------|
| <b>571. INSTRUMENTAL METHODS FOR BAND DIRECTORS</b> | <b>2 semester hours</b> |
|---|-------------------------|
- Offered each summer in conjunction with the College Brass Clinic for junior and senior high school students. Concentrated study in instrumental techniques and the performance of solo

and ensemble music under the direction of nationally known technicians. Enrollment limited to junior and senior high school band directors desiring certification renewal credit.

## Natural Science

*Professor:* Danieleley

*Associate Professors:* F. Harris, H. House, V. Morgan, Mullen

*Assistant Professors:* Fields, Plumblee

### 160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

### 161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

2 semester hours

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors.

### 162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

## Office Administration

*Chairman, Department of Business Administration, Accounting and Office Administration:* Professor Marr

*Associate Professor:* Weavil

*Part-time Instructors:* Carmen, Stearns

A four-year major in Office Administration requires Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 311, 321, 323, 325, 328; Accounting 211, 212; Economics 211, 212; Computer Information Science 111; plus 3 additional semester hours at the 300-400 level chosen from Office Administration, Business Administration, Accounting, Economics, or Computer Information Science.

The requirements for the Associate in Arts degree in Office Administration are: Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 321, 323; English 111, 112; Mathematics 111; Computer Information Science 111; Accounting 211, 212; Economics 211; Physical Education 160; plus electives to reach a minimum of 63 semester hours.

In both the four-year program and the Associate program a student having prior preparation equivalent to Office Administration 111, 112, 113 and/or 114 may substitute electives for these courses by demonstrating proficiency.

Students who desire teacher certification in Business Education must complete the education and psychology requirements for the secondary school as listed in the Education section of the catalog. Students desiring certification in Basic Business may substitute accounting and business administration courses for shorthand courses with approval of the departmental faculty and the Dean of Academic Affairs.

A minor in Office Administration requires Office Administration 111, 112, 113, 114, 311, 302 or 321; and Business Administration 323.

**111. TYPING I**

**3 semester hours**

Designed to develop basic skills in the operation of a typewriter. Course emphasizes the typing of letters, tabulations, office forms, manuscripts. Five class hours per week.

**112. TYPING II**

**3 semester hours**

Emphasis upon reinforcement of basic skills with continued development of speed and accuracy. Students prepare finished letters, forms, reports, manuscripts, and tabulations. Five class hours per week.

**113. SHORTHAND I**

**3 semester hours**

Designed to develop an understanding of the basic theory of Gregg Shorthand, together with the development of an extensive vocabulary for reading and writing shorthand. Goals are to build speed in taking dictation and to produce accurate transcriptions. Five class hours per week.

**114. SHORTHAND II**

**3 semester hours**

A review of fundamental principles and techniques, with concentration upon improving performance in taking dictation and transcribing copy. Emphasis is upon the production of finished transcripts. Five class hours per week.

**302. BUSINESS COMMUNICATIONS**

**3 semester hours**

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda. (OA 302 is the same as BA 302.)

**311. INFORMATION PROCESSING AND MANAGEMENT**

**3 semester hours**

Designed to enable students to understand and apply the techniques and procedures involved in creating, processing, retaining, and distributing information. Topics include machine communication/transcription procedures, records management, reprographics, micrographics, and word processing. Prerequisites: OA 111 and CIS 111 (or permission of instructor).

**321. ADMINISTRATIVE OFFICE MANAGEMENT**

**3 semester hours**

Study of the critical issues facing administrative office managers in a constantly changing technological environment. Topics include principles of administrative office management, managing human resources, managing administrative services, and controlling administrative operations.

**331. LEGAL OFFICE PROCEDURES**

**3 semester hours**

Designed to prepare office managers and secretaries for special skills, techniques and understandings needed in a legal office; covers legal terminology, law office ethics, legal procedures, and preparation of legal papers and court documents.

**332. MEDICAL OFFICE PROCEDURES**

**3 semester hours**

Designed to prepare office managers and secretaries for special skills, techniques and understandings needed in a physician's office or a hospital; covers medical terminology, office ethics, and maintenance of records and accounts.

**481. INTERNSHIP IN OFFICE ADMINISTRATION**

**1-3 semester hours**

## Philosophy

*Chairman:* Assistant Professor Waller

*Professor:* Sullivan

A major in Philosophy requires Philosophy 111, 113, 115, two courses from Philosophy 341, 342, 343, 352, 355; four courses from Philosophy 331, 332, 333, 431, 432; Psychology 211, and 6 semester hours in French, Greek, German or Spanish. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113 and 115, plus 9 semester hours of additional Philosophy courses.

### **111. INTRODUCTION TO PHILOSOPHY**

**3 semester hours**

Introduces student to the philosophical approach to an understanding of his world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of such major philosophers as Plato, Aristotle, Aquinas, Locke, Hume, Kant, and Marx.

### **113. LOGIC**

**3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency. What is the nature of inference and evidence? How do various disciplines employ logic?

### **115. ETHICS**

**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles to specific solutions in which moral choices are made by individuals and policy-making bodies.

### **331. ANCIENT PHILOSOPHY**

**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle. The thought of this period is foundational for literature and law, education and politics, theology and history.

### **332. MEDIEVAL PHILOSOPHY**

**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

### **333. MODERN PHILOSOPHY**

**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

### **341. PHILOSOPHY OF LAW**

**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to: human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

### **342. PHILOSOPHY AND SOCIETY**

**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st Century. Attention is



given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when man himself is the object of investigation.

### **343. AGES AND STAGES OF LIFE**

**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

### **352. EASTERN PHILOSOPHY**

**3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tsu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III presents the spirit of Zen and its influences on the arts and culture of Japan.

### **355. PHILOSOPHICAL PROBLEMS OF RELIGION**

**3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? Of what value are the classical arguments for the existence of God? What support is there for the belief in immortality? (PHL 355 is the same as REL 355.)

### **431. CONTEMPORARY PHILOSOPHY**

**3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Part I examines British analytical philosophy and considers figures such as Russell, Wittgenstein, Ayer and Austin. Part II focuses on Existentialism and considers figures such as Sartre, Camus, Heidegger and Buber.

### **432. AMERICAN PHILOSOPHY**

**3 semester hours**

An examination of the development of the American mentality from the colonial period to the present. Special attention is given to Edwards, Emerson, Dewey and Skinner as representative figures in the development of American culture. The course is of special interest to students of literature and history.

### **471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

### **491. INDEPENDENT STUDY**

**1-3 semester hours**

## **Physical Education and Health**

*Chairman, Department of Health, Physical Education and Recreation:*  
Professor Brown

*Professor:* A. White

*Associate Professor:* Kelly

*Assistant Professors:* Beedle, L. Carden, Gaskill, Griffin, M. Jackson, Morningstar, Van Dam, Baker, Ballard

*Instructors:* Bailey, K. Carden

*Part-time Instructors:* Gray, Wellford

A major in Physical Education requires Physical Education 161 or 162, 211, 221, 321, 411, 422; Biology 265, plus completion of at least one of the following three emphasis components:

- (1) Teacher certification for Physical Education requires Physical Education 120, 161 or 162 (one not taken in Core), 263, 310, 360, 363, 365; one

course from Physical Education 342, 343, 344, 345, 347; Physical Education 410 and 423.

For Education and Psychology requirements for teacher certification see the Education Department listing in this catalog.

- (2) Community Recreation requires Recreation 211, 322, 323, 424, 425, 481 (6 semester hours); Business Administration 302; Communications 210; and Physical Education 161 (or 263), 162, 310.
- (3) Commercial Leisure and Sports Management requires Accounting 211, 212; Business Administration 302, 311, 323; Economics 212; Recreation 424; Physical Education 109, 161 (or 263), 162, 310.

A minor in Physical Education with a coaching concentration requires Physical Education 211, 221, 310, 410; two courses from Physical Education 342, 343, 344, 345, 347; and Physical Education 461 (Seminar in Athletic Coaching — 3 semester hours).

A minor with a Physical Education concentration requires Physical Education 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Dance requires 18 semester hours of Dance courses. Refer to the Fine Arts section of the catalog for specific requirements.

**100. TENNIS AND BADMINTON**

**1 semester hour**

Progressive development of skills and strategies involved in the games of tennis and badminton. Rules, safety factors and etiquette are also stressed.

**101. HANDBALL AND RACQUETBALL**

**1 semester hour**

Progressive development of skills and strategies involved in the games of handball and racquetball. Rules, safety factors and etiquette are also stressed.

**102. ELEMENTARY GYMNASTICS**

**1 semester hour**

Progressive development of the basic skills in the areas of apparatus, floor exercise and tumbling.

**103. DANCE SURVEY**

**1 semester hour**

(Same course as FA 103. See FA 103 for description.)

**104. MODERN DANCE I**

**1 semester hour**

(Same course as FA 104. See FA 104 for description.)

**105. GOLF AND ARCHERY**

**1 semester hour**

Progressive development of skills and strategies in the sports of golf and archery. Laboratory fee \$20.00.

**106. BEGINNING SWIMMING**

**1 semester hour**

Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.

**107. INTERMEDIATE TO ADVANCED SWIMMING**

**1 semester hour**

Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness through many fitness training techniques. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification.

- 108. ADVANCED LIFE SAVING AND WATER SAFETY** **1 semester hour**  
Provides knowledge and skill designed to save student's own life or the life of another; is not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.
- 109. OVERLOAD CONDITIONING** **1 semester hour**  
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.
- 110. SNOW SKIING — BEGINNER TO ADVANCED** **1-3 semester hours**  
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only.) Extra fees required. (For details, consult Physical Education Department Staff.)
- 112. BALLET I** **1 semester hour**  
(Same course as FA 112. See FA 112 for description.)
- 113. JAZZ DANCE I** **1 semester hour**  
(Same course as FA 113. See FA 113 for description.)
- 114. DANCE IMPROVISATION** **1 semester hour**  
(Same course as FA 114. See FA 114 for description.)
- 116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**  
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. (PE 116 is the same as REC 116.)
- 120. CONTEMPORARY HEALTH PROBLEMS AND PROCEDURES OF PRESENTATION** **3 semester hours**  
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases. Includes methods of presentation of selected topics appropriate for public school students.
- 160. FOUNDATIONS OF PHYSICAL ACTIVITY** **2 semester hours**  
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.
- 161, 162. LIFETIME SPORTS SKILLS LABORATORY** **2 semester hours each semester**  
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only. Laboratory fee \$20.00 for PE 161.
- 201. MODERN DANCE II** **2 semester hours**  
(Same course as FA 201. See FA 201 for description.)
- 202. BALLET II** **2 semester hours**  
(Same course as FA 202. See FA 202 for description.)
- 203. JAZZ DANCE II** **2 semester hours**  
(Same course as FA 203. See FA 203 for description.)
- 204. DANCE ENSEMBLE** **2 semester hours**  
(Same course as FA 204. See FA 204 for description.)
- 208. WATER SAFETY INSTRUCTORS COURSE** **2 semester hours**  
Designed to teach students how to teach others swimming and lifesaving skills and aspects of

First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.

**209. SKIN AND BASIC SCUBA DIVING** **2 semester hours**

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of \$125 before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL EDUCATION AND RECREATION** **3 semester hours**

An introductory study in the history of health education, physical education and recreation; philosophical, psychological, physiological, and sociological bases for activity; basis for programs and organization of activities.

**220. FIRST AID (Non-Majors Only)** **3 semester hours**

Emphasis placed upon the use of the Red Cross method of First Aid and CPR training. Opportunities to develop practical skills which simulate application of First Aid procedures to real-life emergencies.

**221. SPORTS MEDICINE/FIRST AID (Majors Only)** **3 semester hours**

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**260. SAFE DRIVING** **3 semester hours**

The principles of teaching basic driving skills, including defensive driving, observation and interpretation of motor vehicle laws, adverse driving conditions, and care and use of the automobile. Classroom instruction and in-car instruction. Laboratory fee \$25.00.

**263. SPORTS SKILLS LABORATORY** **2 semester hours**

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING** **2 semester hours**

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, junior high, and junior varsity levels.

**310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING** **3 semester hours**

Emphasis is placed upon qualities of the coach, influencing and controlling behavior during sports activities, vital relationships within the school and community, organization and planning for practice, training rules and how to enforce them, motivation and coaching ethics.

**321. KINESIOLOGY** **3 semester hours**

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 265.

**342. METHODS OF COACHING FOOTBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

**343. METHODS OF COACHING BASKETBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

**344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.



- 345. METHODS OF COACHING SOCCER AND VOLLEYBALL** 2 semester hours  
A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.
- 347. METHODS OF COACHING WRESTLING** 2 semester hours  
A study of appropriate terms, drills, methods, and strategy for coaching wrestling.
- 360. METHODS AND MATERIALS OF EARLY CHILDHOOD PHYSICAL EDUCATION (K-4)** 3 semester hours  
Designed for early childhood teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.
- 361. METHODS AND MATERIALS OF INTERMEDIATE SCHOOL PHYSICAL EDUCATION (4-6)** 3 semester hours  
Designed for intermediate teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.
- 363. METHODS AND MATERIALS OF GYMNASTICS** 2 semester hours  
A study of gymnastics' teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized.
- 365. METHODS AND MATERIALS OF DANCE** 3 semester hours  
Fundamental movements, basic rhythmic techniques, and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels. (PE 365 is the same as FA 365.)
- 366. DANCE CHOREOGRAPHY** 3 semester hours  
(Same course as FA 366. See FA 366 for description.)
- 367. HISTORY OF DANCE** 3 semester hours  
(Same course as FA 367. See FA 367 for description.)
- 410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS** 3 semester hours  
A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools and colleges or other appropriate settings.
- 411. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION** 3 semester hours  
Includes techniques of the administration of basic motor ability tests, skill tests, and tests of associated and concomitant learnings in physical education and means of utilizing test data for specified purposes.
- 422. PHYSIOLOGY OF EXERCISE** 3 semester hours  
The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 265.
- 423. ADAPTIVE PHYSICAL EDUCATION** 3 semester hours  
A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups.
- 461. SEMINAR IN ATHLETIC COACHING** 3 semester hours  
Winter Term only.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

**481. INTERNSHIP IN PHYSICAL EDUCATION**

**1-6 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Physics

*Chairman, Department of Physical Sciences:* Associate Professor F. Harris  
*Associate Professor:* Mullen

A major in Physics requires Physics 111, 112, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, 222, 421; Chemistry 111, 112. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 425, 426. Students planning to teach in high school should take Biology 111, 221 in addition to required courses.

A minor in Physics requires Physics 111, 112, 201, and three courses chosen from Physics 211, 212, 311 and 312.

**101. BASIC CONCEPTS OF PHYSICS**

**4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

**102. FUNDAMENTALS OF ASTRONOMY**

**3 semester hours**

A basic course designed to acquaint the non-science major with the many aspects and triumphs of astronomy as a modern science. Lectures, laboratories and trips to nearby facilities. Prerequisite: PHY 101 or permission of instructor. Winter Term only.

**103. FUNDAMENTALS OF PHOTOGRAPHY**

**3 semester hours**

A basic course providing an introduction to black and white photography. Topics include use of the adjustable 35 mm single-lens reflex camera, film processing, projection printing, and preparation of the finished mounted print. 2 class hours and 2 laboratory hours per week.

**111, 112. GENERAL PHYSICS**

**4 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. 3 lectures and 1 laboratory session per week. Corequisite: MTH 112.

**201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION**

**3 semester hours**

A survey of the fundamentals of electronic instrumentation designed primarily for science majors. Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours. Prerequisites: PHY 111, 112, or permission of instructor.

**211, 212. MECHANICS AND HEAT**

**3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 111, 112. Corequisite: MTH 121.

**311, 312. ELECTROMAGNETISM AND OPTICS**

**3 semester hours each semester**

Fundamental concepts of electromagnetics. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 111, 112. Corequisite: MTH 121.

**391. INDEPENDENT STUDY****1 or 2 semester hours each semester**

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS****3 semester hours each semester**

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 111, 112. Corequisite: MTH 222.

**421, 422. ADVANCED LABORATORY****1 semester hour each semester**

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****Political Science**

*Chairman, Department of Social Sciences:* Associate Professor Watts  
*Associate Professors:* Baxter, Long, Taylor, Zarzar

A major in Political Science requires Political Science 111, 212, 231, 471 (Senior Seminar — 3 semester hours), plus 21 additional hours in Political Science of which 18 hours must be from 300-400 level courses. Other requirements are Computer Information Science 111; Economics 211, 212; History 211, 212; and Mathematics 265.

A minor in Political Science requires Political Science 111, 212, 231, plus 9 additional hours of Political Science from 300-400 level courses. Students electing to minor in Political Science are urged to concentrate the 9 elective hours in one of the specialized areas of Political Science.

**111. INTRODUCTION TO POLITICAL SYSTEMS****3 semester hours**

A general introduction to the basic concepts of politics and to the nature and functions of political systems and institutions both public and private.

**212. RESEARCH METHODS IN SOCIAL SCIENCE****3 semester hours**

Introduction to an examination of basic scientific methods, broadly defined to include problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data. (PS 212 is the same as PA 212, SOC 212 and GEO 212.)

**231. NATIONAL GOVERNMENT IN THE UNITED STATES****3 semester hours**

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation of powers, checks and balances, operation of the executive, legislative, and judicial branches.

**232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES****3 semester hours**

A study of the structure and functioning of the state and local government and its role within the federal system. The organization, functions, powers and methods of the state, county, and municipal government, and the role of the individual citizen.

**241. INTERNATIONAL RELATIONS****3 semester hours**

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

**331. COMPARATIVE EUROPEAN GOVERNMENTS**

**3 semester hours**

A comparative study of major European political systems. Prerequisite: Junior or senior standing or by permission of instructor.

**332. POLITICS AND GOVERNMENTS OF THE MIDDLE EAST**

**3 semester hours**

A synthesizing review of the forces and problems affecting contemporary politics and governments of the Middle East. It emphasizes the contrasts between democratic and authoritarian forms of governments. Prerequisite: Junior or senior standing or by permission of instructor.

**341. UNITED STATES FOREIGN POLICY TO 1939**

**3 semester hours**

(Same course as HST 341. See HST 341 for description.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939**

**3 semester hours**

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Examines the United States in the international arena as a world power. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)

**345. DIPLOMATIC PRACTICES**

**3 semester hours**

Knowledge and practical experience of the observational, analytical and decision-making skills associated with the formulation and practice of diplomacy. Readings, film strips, role playing, lectures, and classroom simulations are some of the instructional techniques. Prerequisites: HST 211, 212 or permission of instructor.

**352. INTRODUCTION TO POLITICAL THEORY**

**3 semester hours**

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of instructor.

**353. MODERN POLITICAL THOUGHT**

**3 semester hours**

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.

**356. DEMOCRACY AND TOTALITARIANISM**

**3 semester hours**

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.

**361. SEMINAR: THE MULTINATIONAL CORPORATION IN DOMESTIC AND INTERNATIONAL POLITICS**

**3 semester hours**

A seminar which examines the impact of big business on American and international politics. Emphasis is given to ways and means of dealing with problems generated by corporate giantism. Prerequisite: Junior or senior standing or by permission of instructor.

**365. SEMINAR: THE PRESIDENT, CONGRESS AND PUBLIC POLICY**

**3 semester hours**

A seminar which investigates the formulation and implementation of public policy in the United States, with emphasis on the roles of the President, Congress, and the public in the policy process. Prerequisite: PS 231 or by permission of instructor.

**420. WORKSHOP IN POLITICS**

**3 semester hours**

Personal experience in the political system of the U.S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.



- 441. WAR, PEACE AND CONFLICT RESOLUTION** 3 semester hours  
An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.
- 471. SEMINAR: SPECIAL TOPICS** 3 semester hours
- 481. INTERNSHIP IN POLITICAL SCIENCE** 1-3 semester hours  
Prerequisites: 6 semester hours from PS 111, 211 and 231.
- 491. INDEPENDENT STUDY** 1-3 semester hours

## Psychology

*Chairman, Department of Education and Psychology:* Associate Professor  
Brogan

*Associate Professors:* Granowsky, Simon

*Assistant Professors:* Harper, Higgs, P. Kiser, Soliday

A major in Psychology requires Psychology 211, 331, 341, 351, 432, 471 (3 semester hours, topics approved by the department); and Mathematics 265 or Sociology 212. Additional requirements are 18 semester hours chosen from the following: Psychology 231, 311, 332, 333, 411, 421, 481, Human Services 431, and Philosophy 343.

A minor in Psychology requires Psychology 211, 321, 331, 332; Mathematics 265 or Sociology 212; plus 6 semester hours selected from the following: Psychology courses, Human Services 431; and Philosophy 343.

- 211. GENERAL PSYCHOLOGY** 3 semester hours  
An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.
- 231. SOCIAL PSYCHOLOGY** 3 semester hours  
(Same course as SOC 231. See SOC 231 for description.)
- 311. PSYCHOLOGY OF ADJUSTMENT** 3 semester hours  
An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.
- 321. EDUCATIONAL PSYCHOLOGY** 3 semester hours  
Psychological principles involved in the process of teaching and learning; the nature of intelligence; motivation, individual differences, and emotional influences; the evaluation of learning.
- 331. PSYCHOLOGY OF CHILDHOOD** 3 semester hours  
The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child through the middle school.
- 332. PSYCHOLOGY OF EXCEPTIONALITY** 3 semester hours  
The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. An internship in a local school is required.
- 333. ABNORMAL BEHAVIOR** 3 semester hours  
(Same course as HUS 333. See HUS 333 for description.)

**341. PSYCHOLOGY OF ADOLESCENCE**

**3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality.

**351. ADULT DEVELOPMENT**

**3 semester hours**

(Same course as HUS 351. See HUS 351 for description.)

**411. PSYCHOLOGICAL MEASUREMENT**

**3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**421. THEORIES OF PERSONALITY**

**3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY**

**3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisites: PSY 211 and permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Public Administration**

*Chairman, Department of Social Sciences: Associate Professor Watts*  
*Associate Professor: Taylor*

A major in Public Administration requires Public Administration 211, 212, 311, 431, 471 (Senior Seminar - 3 semester hours); Political Science 231, 232; Accounting 211; Business Administration 111; Economics 211, 212; and Computer Information Science 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; Communications 210; Geography 341; Economics 313, 321, 332; Business Administration 323, 325, 328; Recreation 322, 424, 425; and Political Science 361, 365, 420.

A minor in Public Administration requires Public Administration 211, 212 and 431; Political Science 231; and Business Administration 323 and 325.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION**

**3 semester hours**

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

**212. RESEARCH METHODS IN SOCIAL SCIENCE**

**3 semester hours**

(Same course as PS 212 and SOC 212. See PS 212 for description.)

**311. ADMINISTRATION OF PUBLIC POLICIES**

**3 semester hours**

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

**351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION**

**3 semester hours**

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

**431. POLICY ANALYSIS AND PROGRAM EVALUATION**

**3 semester hours**

An examination of two aspects of the policy process for the decision-maker; Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives, and the effects created by the program. Prerequisite: PA 211.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

**481. INTERNSHIP IN PUBLIC ADMINISTRATION**

**1-6 semester hours**

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## **Radio Broadcasting**

The Radio Broadcasting program is listed under Communications.

## **Radiologic Technology**

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House.

*Coordinator:* Associate Professor Rao

The requirements for the Bachelor of Applied Science in Radiologic Technology consist of (1) completion of a 24 month, A.M.A. approved program in Radiologic Technology; (2) completion of the general studies requirements; (3) one full academic year of study at Elon; and (4) completion of the following specific course requirements: Biology 111, 265, Chemistry 101, Physics 101, Psychology 211. The student has the option of completing the clinical phase of the program either before or after completion of the course requirements at Elon. If the program is initiated at Elon, the College will provide assistance for the student in locating and gaining admission to an approved clinical program. The degree normally requires two years at Elon in addition to the 24-month A.M.A. approved program.

## **Recreation**

*Chairman, Department of Health, Physical Education and Recreation:* Professor Brown

*Professor:* A. White

*Assistant Professors:* Beedle, Gaskill

Community Recreation is one of the emphasis options for the Physical

Education major. Please refer to the Physical Education and Health section of this catalog for the requirements.

A minor in Recreation requires Recreation 211, 322, 323, 424, and Physical Education 221 and 481 (3 semester hours).

**116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**  
(Same course as PE 116. See PE 116 for description.)

**211. INTRODUCTION TO COMMUNITY RECREATION** **3 semester hours**  
A study of the nature and history of leisure, play and recreation as they relate to contemporary community recreation services.

**322. RECREATION LEADERSHIP AND PROGRAMMING** **3 semester hours**  
Emphasis on the leadership and group dynamics processes as they pertain to the professional recreation setting; principles and approaches to recreational programming.

**323. RECREATION SERVICES FOR SPECIAL POPULATIONS** **3 semester hours**  
The study of the historical and societal factors affecting the present status, care, treatment and recreation of the mentally and physically handicapped in the United States.

**424. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION** **3 semester hours**  
Designed to provide a thorough study of the background, organization and principles of the public recreation administration process.

**425. OUTDOOR RECREATION SERVICES** **3 semester hours**  
A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

**481. INTERNSHIP IN RECREATION** **1-6 semester hours**  
This course is designed to give practical experience in community recreation, YMCA or commercial leisure establishments.

## Religion

*Chairman, Department of Religion:* Associate Professor Pace

*Professor:* C. White

*Associate Professors:* Chase, W. Rich

*Assistant Professor:* Loftin

A major in Religion requires Religion 111, 112, 241, 252, 461, plus 21 semester hours of additional Religion courses. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

**111. INTRODUCTION TO THE OLD TESTAMENT** **3 semester hours**  
The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.



- 112. INTRODUCTION TO THE NEW TESTAMENT** 3 semester hours  
The rise and development of Christianity and its literature.
- 215. RELIGIOUS THINKING** 3 semester hours  
An introduction to the study of religion including religion and society and the diversity in religion.
- 241. RELIGIOUS VALUES AND DECISION MAKING** 3 semester hours  
An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.
- 251. RELIGION STUDIES ABROAD** 3 semester hours  
Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.
- 252. WORLD RELIGIONS** 3 semester hours  
The origin and historical development of selected religious traditions.
- 321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST** 3 semester hours  
A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Attention is given to methods of archaeology, prominent excavations and significant artifacts. Prerequisite: Junior or senior status, or permission of instructor.
- 322. OLD TESTAMENT PROPHETS** 3 semester hours  
A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.
- 324. THE INTERTESTAMENTAL PERIOD** 3 semester hours  
The historical situation and environment from which early Christianity emerged; developments in Hellenism and Judaism; the period of the Maccabees; religious ideas and institutions of the pre-Christian era. Prerequisite: Junior or senior status, or permission of instructor.
- 326. THE WRITINGS OF PAUL** 3 semester hours  
An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.
- 327. THE GOSPEL OF JOHN** 3 semester hours  
A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.
- 328. THE SYNOPTIC GOSPELS** 3 semester hours  
A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Tools of contemporary biblical scholarship are used to analyze and interpret each of the Gospels. Prerequisite: Junior or senior status, or permission of instructor.
- 334. MODERN RELIGIOUS THINKERS** 3 semester hours  
An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.
- 341. CHRISTIAN ETHICS** 3 semester hours  
A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.
- 345. THEOLOGY OF HUMAN LIBERATION** 3 semester hours  
Analysis of contemporary types of liberation theology such as third-world liberation, Black

liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION** 3 semester hours  
(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY** 3 semester hours  
(Same course as ENG 365. See ENG 365 for description.)

**461. SENIOR SEMINAR** 3 semester hours  
A year long seminar which investigates a topic in religious studies selected by participants. Faculty and student papers provide focal points of discussion. Intended for majors; others by permission. Prerequisite: Twelve hours of religion, junior/senior status.

**471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours

**491. INDEPENDENT STUDY** 1-3 semester hours  
Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## Science Education

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires at least one of the following areas of specialization:

- (1) **Biology**—Biology 111, 221, 222, 265, 321 or 345, and 452; Chemistry 103, 111, 112, 321-322; Physics 101 and 102; and Mathematics 111, 112 and 161.
- (2) **Chemistry**—Chemistry 103, 111, 112, 221, 321-322, 411, 421; Biology 111 and 201; Physics 101 and 102; and Mathematics 111, 112 and 121.
- (3) **Physical Science**—Chemistry 103, 111, 112, 221, 321-322; Physics 102, 111, 112 and 201; Biology 111 and 201; and Mathematics 111, 112 and 161.
- (4) **Physics**—Physics 102, 111, 112, 201, 211, 212 or 312, and 311; Biology 111 and 201; Chemistry 103, 111 and 112; and Mathematics 111, 112 and 121.

Recommended electives for the Science Education major include Mathematics 160 and 265 and Computer Information Science 111.

## Social Science

*Chairman, Department of Social Sciences:* Associate Professor Watts

*Professors:* Delp, Moncure, G. Troxler

*Associate Professors:* Crowe, T. Henricks, Long, Toney, C. Troxler, Taylor, Zarzar

*Assistant Professors:* Basirico, Cates, Finch, McBee

A major in Social Science requires Economics 212; Geography 121, 131; History 111, 112; Political Science 111 or 241, 231; Psychology 211; Sociology 111, 112; Public Administration/Political Science/Sociology 212; plus 18 semester hours in one of the following areas (concentrations): Geography,

History, Political Science, Public Administration, Sociology. Specific concentration course requirements may be stipulated.

Social Science majors receiving teacher certification must complete History 211, 212 and either Geography 311 or 321 instead of 121, in addition to the required Social Science major and professional education courses. (History 211, 212 may be used in partial fulfillment of the required 18 semester hours in one of the Social Sciences.)

## Sociology

*Chairman, Department of Social Sciences:* Associate Professor Watts

*Associate Professor:* T. Henricks

*Assistant Professors:* Basirico, McBee

A major in Sociology requires Sociology 111, 212, 311, 351, plus 18 semester hours of additional Sociology courses; Computer Information Science 111; Mathematics 265; and 6 semester hours selected from History 343, Human Services 231, Philosophy 113 and 342, and Psychology 211.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses and/or Philosophy 342.

### 111. INTRODUCTORY SOCIOLOGY

**3 semester hours**

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

### 112. ANTHROPOLOGY

**3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

### 211. SOCIAL PROBLEMS

**3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

### 212. RESEARCH METHODS IN SOCIAL SCIENCE

**3 semester hours**

(Same course as PA 212 and PS 212. See PS 212 for description.)

### 231. SOCIAL PSYCHOLOGY

**3 semester hours**

An examination of the ways in which individuals are influenced by their relationships with others in society. Initial attention is given to major theories and methods of research. Within this framework, the course considers the difference between humans and animals, the origins and development of the self-concept, the formation of attitudes and factors causing them to change, affiliation, aggression, altruism, and group dynamics. Prerequisite: SOC 111. (SOC 231 is the same as PSY 231.)

### 311. THE FAMILY

**3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences,

racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

**313. CRIME AND DELINQUENCY**

**3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

**321. CULTURAL ANTHROPOLOGY**

**3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Emphasis is placed on the relationship of culture to such other systems as personality, the organism, society, and the natural environment and on such specific matters as primitive economics, politics, religion, and family patterns. Prerequisite: SOC 111 or 112.

**333. SOCIAL STRATIFICATION**

**3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

**341. ETHNIC AND RACE RELATIONS**

**3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, the structure of minority-majority relations, and strategies toward social equality. Prerequisite: SOC 111.

**343. SOCIAL AND CULTURAL CHANGE**

**3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

**344. SOCIAL DEVIANCE**

**3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

**351. SOCIOLOGICAL THEORY**

**3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**



## Directory and Appendices



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#### Terms Expiring May 31, 1986

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**Terms Expiring May 31, 1987**

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Kay Bryan Edwards, *Greensboro, N.C.*  
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 Richard J. Holland, *Windsor, Va.*  
 R. Leroy Howell, D.D.S., *Suffolk, Va.*  
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 James B. Powell, M.D., *Burlington, N.C.*  
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 Rollin O. Russell, D.M., *Conference Minister, Southern Conference*  
 Yvonne Beasley, *President of the Southern Conference*  
 Mills E. Godwin, Jr., *Trustee Emeritus*  
 Clyde W. Gordon, Sr. D.C.S., *Trustee Emeritus*  
 J. Harold Smith, *Trustee Emeritus*

**Faculty, 1983-1984**

Mark R. Albertson, 1980\*, *Assistant Professor; Registrar*  
 B.B.A., *Fort Lauderdale University*  
 J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
 B.S., M.A., *Appalachian State University*; M.S., *New Mexico State University*  
 Ralph V. Anderson, 1963, *Professor of Economics; Chairman, Department of Economics*  
 B.S., *Ferris Institute*; M.S., *University of Tennessee*; B.D., *Northern Baptist Theological Seminary*; Ph.D., *University of North Carolina*  
 Andrew J. Angyal, 1976, *Assistant Professor of English*  
 B.A., *Queens College, CUNY*; M.A., *Yale University*; Ph.D., *Duke University*

\*Year of appointment

- Malvin N. Artley, 1963, *Professor of Music*  
B.Mus., Shenandoah Conservatory of Music; M.Mus., Cincinnati Conservatory; D.F.A., Chicago Musical College, Roosevelt University
- A. H. M. Golam Azam, 1983, *Assistant Professor of Economics and Business Administration*  
B.A., M.A., Dacca University, Bangladesh; M.A., Ph.D., Duke University
- Robert A. Bailey, 1984, *Instructor in Physical Education and Health; Assistant Football Coach*  
B.S., M.A.Ed., East Carolina University
- Martin H. Baker, 1980, *Instructor in Physical Education and Health; Athletic Trainer*  
B.S., SUNY at Brockport; M.S., Indiana State University
- Steven J. Ballard, 1977, *Instructor in Physical Education; Soccer Coach; Sports Information Director*  
B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Assistant Professor of Sociology*  
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
A.B., Elon College; J.D., Duke University
- Barry B. Beedle, 1978, *Assistant Professor of Physical Education and Health*  
B.S., M.S., Mississippi State University; Ed.D., University of Mississippi
- Joe Belk, 1975, *Part-time Clinician in Music*  
A.B., Miami University of Ohio
- Bertie S. Belvin, 1983, *Assistant Professor; Director of Financial Aid*  
B.S., M.A., Virginia Polytechnic Institute and State University
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
A.B., Elon College; M.A., University of North Carolina
- Elaine H. Bingenheimer, 1983, *Part-time Instructor in Music; Director, Piano Preparatory Program*  
B.Mus., University of North Carolina; M.Mus., Southern Methodist University
- Robert G. Blake, 1968, *William S. Long Professor of English*  
A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Associate Professor of English*  
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- David A. Bragg, 1970, *Associate Professor of Music*  
B.S., Concord College; M.M.E., Ph.D., Florida State University

- Marydell R. Bright, 1970, *Assistant Professor; Dean of Admissions and Financial Aid*  
A.B., Mount Holyoke College; M.Ed., University of North Carolina at Greensboro
- Mary Lou G. Brittain, 1976, *Assistant Professor of English*  
B.A., M.A., Ph.D., University of North Carolina at Greensboro
- Wesley G. Brogan, 1979, *Associate Professor of Education and Human Services; Chairman, Department of Education and Psychology*  
A.B., Dickinson College; M.Div., Duke University; M.Ed., Ph.D., University of North Carolina
- Janie P. Brown, 1967, *Associate Professor of Physical Education and Health; Chairman, Department of Health, Physical Education and Recreation*  
B.S., Wake Forest University; M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- Cardon V. Burnham, 1981, *Associate Professor of Fine Arts; Chairman, Department of Fine Arts*  
B.M.E., Bradley University; M.M., University of Illinois; A.M.D., Eastman School of Music
- Ann S. Butler, 1979, *Part-time Instructor in English*  
A.B., M.Ed., University of North Carolina at Greensboro
- W. E. Butler, Jr., 1946, *Associate Professor; Assistant Treasurer*  
A.B., Elon College; Graduate Studies, University of North Carolina, C.P.M.
- Gaylor F. Callahan, 1980, *Part-time Instructor in English*  
B.A., M.A., University of North Carolina at Greensboro; Graduate Studies, Duke University
- Karen R. Carden, 1979, *Instructor in Physical Education; Director of Intramural Athletics; Women's Volleyball Coach; Women's Tennis Coach*  
A.B., Elon College; Graduate Studies, University of North Carolina at Greensboro
- Lonnie Mack Carden, 1977, *Assistant Professor of Physical Education and Health; Head Football Coach*  
A.B., Elon College; M.A., Appalachian State University
- Fleta H. Carmen, 1983, *Part-time Instructor in Office Administration*  
B.S., Appalachian State University; M.S.B.E., University of North Carolina at Greensboro
- James Albert Carpenter, 1983, *Instructor in Computer Information Science and Mathematics*  
A.A., Montgomery College; B.S., University of Maryland; M.S., Graduate Studies, University of Tennessee
- D. Brooks Cates, 1964, *Assistant Professor of Geography*  
A.B., University of North Carolina; M.A., East Carolina University; Ph.D., University of North Carolina



- Carole F. Chase, 1976, *Assistant Professor of Religion; Chairman, Department of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
- Paul H. Cheek, 1950, *L. L. Vaughan Professor of Chemistry*  
B.S., Wake Forest University; Ph.D., University of North Carolina
- Ruth L. Cheek, 1964, *Part-time Assistant Professor of Chemistry*  
A.B., M.A., University of North Carolina
- Terrell W. Cofield, 1968, *Assistant Professor of Music*  
B.Mus., Rollins College; M.Mus., University of North Carolina; Study with Maestro Luigi Ricci, Teatro dell 'Opera, Rome, Italy
- Janie E. Council, 1960, *Associate Professor of Business Administration and Accounting*  
A.B., M.A., East Carolina University
- David M. Crowe, Jr., 1977, *Associate Professor of History*  
B.A., Southeastern Louisiana College; M.A., Mississippi State University; Ph.D., The University of Georgia
- Edwin L. Daniel, 1963, *Associate Professor of Art*  
A.B., Elon College; B.F.A., Abbott School of Fine and Commercial Art; M.F.A., University of North Carolina; Virginia Commonwealth University; Roanoke Fine Arts Center, University of Virginia Extension
- J. Earl Danielely, 1946, *Thomas E. Powell, Jr., Professor of Chemistry*  
A.B., Elon College; M.A., Ph.D., University of North Carolina; Postdoctoral Study, The Johns Hopkins University; Sc.D., Catawba College; LL.D., Campbell College
- Robert W. Delp, 1968, *Professor of History*  
B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A., Ph.D., The George Washington University; Duke University
- Helen H. Euliss, 1969, *Associate Professor of English*  
B.S., Appalachian State University; M.A., Graduate Studies, University of North Carolina
- W. Douglas Finch, Jr., 1984, *Assistant Professor of Social Sciences; Associate Director of Learning Resources*  
A.B., Cornell University; M.A.T., SUNY at Cortland; M.S., Ithaca College
- Hugh M. Fields, 1970, *Assistant Professor of Biology*  
B.S., M.S., North Carolina State University; Graduate Studies, University of North Carolina at Greensboro
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- Betty G. Flinchum, 1980, *Instructor in Cytotechnology; Program Director, Cytotechnology*  
A.B., University of North Carolina at Greensboro
- John Benjamin Flora, 1977, *Adjunct Assistant Professor of Allied Health*  
B.A., University of Virginia; Ph.D., Virginia Polytechnic Institute and State University
- Gerald F. Francis, 1974, *Professor of Mathematics and Computer Information Science; Associate Dean of Academic Affairs; Chairman, Department of Mathematics and Computer Information Science*  
B.S., M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
- Paul L. Gaskill, 1978, *Assistant Professor of Recreation Administration*  
A.A., Montgomery County Community College; B.S., The Pennsylvania State University; M.S., University of North Carolina; Graduate Studies, University of North Carolina at Greensboro
- James W. Geyer, 1977, *Adjunct Assistant Professor of Allied Health*  
B.A., Eastern Michigan University; M.S., Ph.D., Wayne State University
- Gerald M. Gibson, 1979, *Assistant Professor of Communications*  
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- Russell B. Gill, 1976, *Associate Professor of English; Chairman, Department of Literature, Languages and Communications*  
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B.S., Tufts University; M.S., Vassar College; Ed.D., Duke University
- Patricia J. Gray, 1980, *Part-time Instructor in Physical Education and Fine Arts*  
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- Charles A. Griffin, 1983, *Instructor in Physical Education and Health; Assistant Football Coach; Assistant Track Coach*  
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- Kenneth L. Harper, 1970, *Assistant Professor of Education*  
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- E. Franklin Harris, 1967, *Associate Professor of Physics; Chairman, Department of Physical Sciences*  
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- Thomas S. Henricks, 1977, *Assistant Professor of Sociology*  
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B.S., M.A.T., Michigan State University; M.S., University of Evansville
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B.S., University of Kansas; Graduate Studies, Washington University, St. Louis; M.A., University of Vermont; Ph.D. candidate, SUNY at Albany; Graduate Studies, University of Munich, Germany
- Herbert W. House, Jr., 1977, *Associate Professor of Biology; Chairman, Department of Biology and Allied Health*  
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- Rebecca O. House, 1978, *Part-time Instructor in English*  
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- Michael P. Hudson, Jr., 1982, *Part-time Instructor in Computer Information Science*  
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- Walter C. Joyce, Jr., 1983, *Assistant Professor of Military Science*  
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- Connie L. Keller, 1980, *Instructor; Assistant Reference Librarian/Catalog Librarian*  
B.A., Illinois Wesleyan University; M.A., University of Iowa
- Donald J. Kelly, 1967, *Associate Professor of Physical Education; Associate Football Coach*  
A.B., Catawba College; M.A., University of North Carolina
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B.A., Waynesburg College; M.F.A., Carnegie Institute of Technology, Carnegie-Mellon University
- Robert Burns King, 1981, *Part-time Instructor in Organ; College Organist*  
B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany
- Pamela M. Kiser, 1981, *Instructor in Human Services and Psychology*  
B.A., Wake Forest University; M.S., University of North Carolina
- Richard D. Kiser, 1983, *Part-time Instructor in Human Services*  
B.A., University of North Carolina at Asheville; M.S.W., University of North Carolina
- Ronald A. Klepcyk, 1978, *Assistant Professor; Dean of Student Affairs*  
B.S., M.Ed., Kent State University



George R. Lentz, Jr., 1980, *Assistant Professor, Director of Continuing Education*

B.A., Lenoir-Rhyne College; M.Ed., University of North Carolina at Charlotte; Graduate Studies, Walden University

John D. Loftin, 1982, *Assistant Professor of Religion*

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William G. Long, 1974, *Associate Professor of Political Science; Director of Foundations, Government and Church Relations*

B.A., M.A., West Virginia University; M.Div., Yale University Divinity School

June M. Looney, 1968, *Assistant Professor of Psychology*

A.B., Elon College; M.A., Graduate Studies, East Carolina University

Ernest J. Lunsford, 1981, *Assistant Professor of Spanish*

B.A., Duke University; M.A., Middlebury College; Ph.D., University of Florida

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Helen H. Mackay, 1976, *Assistant Professor of English*

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Betty J. Maness, 1976, *Assistant Professor of Education and English*

B.A., M.Ed., University of North Carolina at Greensboro

John Michael Marr, 1978, *Professor of Business Administration; Chairman, Department of Accounting, Business Administration and Office Administration; Director of the M.B.A. Program*

B.A., Presbyterian College; M.S., Ph.D., Clemson University

Donna Necy Massey, 1983, *Instructor in Physical Education; Cheerleader Coach*

B.S., Winthrop College; M.Ed., University of Georgia

Robert D. McBee, 1977, *Assistant Professor of Sociology; Baseball Coach*

B.A., Presbyterian College; M.S., Ph.D., University of Southern Mississippi

Trevathan N. McCarther, 1982, *Assistant Professor of Military Science*

B.S., North Carolina Central University; M.S., Webster College; Major, U.S. Army

Larry B. McCauley, Sr., 1968, *Assistant Professor; Director of Physical Plant*

A.B., Elon College; M.A., University of North Carolina

Robie W. McClellan, 1980, *Assistant Professor of Business Administration*

B.A., University of North Carolina; M.B.A., Ed.D., University of North Carolina at Greensboro

Kathleen Metzger McNamee, 1983, *Instructor in Accounting and Business Administration*

B.S., Manchester College; M.B.A., Old Dominion University

- William F. Migniuolo, 1978, *Instructor in English; Coordinator of Academic Skills*  
A.B., University of North Carolina; Ph.D. candidate, Brown University
- John F. Mitchell, 1981, *Associate Professor; Vice President for Administrative Services*  
A.B., M.B.A., Dartmouth College
- James A. Moncure, 1974, *Professor of History*  
B.A., University of Richmond; M.A., Ph.D., Columbia University
- H. Reid Montgomery, 1978, *Part-time Instructor in Religion*  
A.B., Elon College; B.D., Union Theological Seminary, Virginia; S.T.M., New York Theological Seminary; Graduate Studies, New York University
- Doreen K. Moore, 1981, *Instructor; Public Services Librarian*  
B.A., Ramapo College; M.A., Teachers College, Columbia University; M.L.S., Rutgers University
- Patricia Sue Morgan, 1983, *Assistant Professor; Associate Dean of Student Affairs*  
B.S., Mars Hill; M.A., Appalachian State University
- Voigt F. Morgan, 1963, *Associate Professor of Biology*  
A.B., Elon College; M.A., Appalachian State University; Graduate Studies, Duke University
- T. William Morningstar, Jr., 1972, *Assistant Professor of Physical Education and Health; Men's Head Basketball Coach; Golf Coach*  
A.B., Elon College; M.A., Lynchburg College
- Whitney P. Mullen, 1970, *Associate Professor of Science Education*  
B.S.Ed., Glassboro State College; M.Ed., D.Ed., Duke University
- William Robert Nowell, 1981, *Assistant Professor of Communications*  
B.A., University of North Carolina; M.S., Northwestern University; Ph.D. candidate, Indiana University
- E. Eugene Oliver, 1981, *Associate Professor of Accounting*  
A.B., M.B.A., George Washington University; Ed.D., University of North Carolina at Greensboro
- Marjon B. Ornstein, 1982, *Assistant Professor of Foreign Languages*  
B.A., Guilford College; M.A., Middlebury College, France; Ph.D., University of Wisconsin at Madison
- James H. Pace, 1973, *Associate Professor of Religion*  
A.B., Birmingham-Southern College; M.Div., Ph.D., Emory University
- Robert Joseph Peace, 1983, *Adjunct Professor of Allied Health*  
B.S., M.D., Tulane University
- Susan P. Phillips, 1980, *Assistant Professor; Coordinator of Career Development and Placement*  
B.A., Salem College; M.A., Appalachian State University

- Barbara T. Plumblee, 1979, *Assistant Professor of Biology; Coordinator of Freshman Biology Labs; Director of Academic Computing Services*  
A.B., Elon College; M.S., Graduate Studies, University of North Carolina
- Anne Ponder, 1977, *Assistant Professor of Communications and English; Director of Academic Honors Program*  
A.B., M.A., Ph.D., University of North Carolina
- James B. Powell, 1977, *Adjunct Associate Professor of Allied Health*  
B.A., Virginia Military Institute; M.D., Duke University
- R. D. Rao, 1969, *Associate Professor of Biology; Coordinator of Radiologic Technology*  
B.S., Osmania University; M.S., Ph.D., North Carolina State University
- Janie C. Reece, 1954, *Part-time Assistant Professor of Mathematics*  
A.B., M.Ed., University of North Carolina
- Lela Faye Rich, 1977, *Assistant Professor of History; Associate Director of Academic Advising*  
B.A., Wake Forest University; M.A.T., Duke University
- William G. Rich, 1977, *Associate Professor of Religion*  
B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
- Janice Little Richardson, 1983, *Part-time Instructor in Mathematics*  
B.A., University of North Carolina; M.A., Wake Forest University
- Gerardo Rodriguez, 1982, *Assistant Professor of Spanish*  
M.A., Normal Inferior Benavente, Puebla, Mexico; Ph.D., University of Madrid, Spain
- Elizabeth D. Russell, 1982, *Part-time Instructor in English*  
B.A., Vanderbilt University; M.A., Texas Christian University
- Allen B. Sanders, 1965, *Professor of Business Administration and Accounting*  
B.S., West Virginia University; M.B.A., The George Washington University; Ph.D., University of North Carolina, C.M.A.
- Gayle W. Scott, 1979, *Assistant Professor of Medical Laboratory Technology; Director, Medical Laboratory Technician Program*  
A.A., Emory-at-Oxford College; B.S., Medical College of Georgia; M.Ed., University of Georgia; M.T., ASCP
- William G. Sharpe, IV, 1980, *Assistant Professor; College Chaplain; Coordinator of Personal Counseling*  
A.B., M.Div., Duke University
- Martin L. Shotzberger, 1980, *Jefferson-Pilot Professor of Business Administration*  
B.S.B.A., M.S.B.A., University of Richmond; Ph.D., Ohio State University; LL.D., University of Richmond

- Lawrence H. Simon, 1976, *Associate Professor of Education*  
B.A., M.A.T., University of North Carolina; Ed.D., University of North Carolina at Greensboro
- Martha B. Smith (1964\*), 1970, *Professor of English*  
A.B., Winthrop College; M.A., Presbyterian School of Christian Education; M.A., Ph.D., University of North Carolina
- JoAnne C. Soliday, 1980, *Assistant Professor; Associate Dean of Admissions and Financial Aid*  
B.A., West Virginia Wesleyan College; M.Ed., University of North Carolina
- Joyce E. Speas, 1978, *Assistant Professor of Mathematics and Education*  
B.A., Mars Hill College; M.Ed., University of North Carolina at Greensboro
- Sandra H. Stearns, 1983, *Part-time Instructor in Office Administration*  
B.S.B.E., Campbell University
- John G. Sullivan, 1970, *Professor of Philosophy*  
B.A., M.A., Catholic University; J.C.D., Lateran University; Ph.D., University of North Carolina
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B.S., Baptist College of Charleston; M.A., Ph.D., University of Georgia
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- Whitney G. Vanderwerff, 1982, *Assistant Professor of English; Director of Composition*  
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B.Mus., Syracuse University; M.Mus., Cincinnati Conservatory of Music; Ph.D., University of North Carolina
- John W. Wheeler, 1978, *Assistant Professor of Accounting*  
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B.S., Wake Forest University; M.Ed., University of North Carolina; Ed.D., Mississippi State University
- Jack O. White, 1962, *Professor of Music; Director of the Band*  
B.S., Concord College; M.Ed., University of North Carolina; D.A., New York University

M. Christopher White, 1972, *Professor of Religion; Vice President for Academic and Student Affairs*  
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Vickie S. Martin, *Purchasing Officer*  
Susie A. Adkins, *Purchasing Clerk*  
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Karen R. Carden, A.B., *Women's Tennis Coach, Women's Volleyball Coach, Director of Intramural Athletics*  
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Lou F. Harper, *Secretary to the Department of Athletics*  
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Charles A. Griffin, A.A., B.S., M.A., *Assistant Football Coach, Assistant Wrestling Coach*  
Hornsby Howell, Jr., B.S., M.Ed., *Assistant Football Coach, Assistant Track Coach*  
Mary F. Jackson, B.S., M.Ed., *Women's Basketball Coach, Women's Softball Coach*  
Donald J. Kelly, A.B., M.A., *Associate Football Coach*  
T. William Morningstar, A.B., M.A., *Men's Head Basketball Coach, Golf Coach*  
Daniel B. Morrison, B.S., M.Ed., *Assistant Athletic Director, Tennis Coach, Assistant Basketball Coach*  
Gary R. VanDam, A.A., B.S., M.A., *Track Coach, Assistant Football Coach*  
Kyle Wills, A.B., *Supervisor of Athletic Facilities*  
C. Rick Jones, A.A., B.A., M.S., *Baseball Coach*

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Larry B. McCauley, Sr., A.B., M.A., *Director of Physical Plant*  
Donna H. DeWoody, *Secretary to the Director of Physical Plant*  
Warren J. Jeffreys, *Supervisor of Carpentry, Paint, Keys*  
Allen Smith, *Plant Engineer*  
Margie O'Connell, *Executive Housekeeper*  
Lloyd Routh, *Supervisor of Grounds*  
Paul Holt, *Electrician*

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Edith R. Brannock, A.B., M.Ed., *Assistant Professor of Home Economics*  
Marydell R. Bright, A.B., M.Ed., *Dean of Admissions and Financial Aid*  
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Daniel Feinberg, B.B.S., M.A., Ph.D., *Professor of Business Administration*  
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Mildred Haff, A.B., M.A., *Assistant Professor of Mathematics*  
Rachel Y. Holt, A.B., M.Ed., M.A., *Assistant Professor of History*  
Alfred W. Hurst, A.B., M.A., B.D., D.D., *Assistant Professor of Religion*  
S. Carlyle Isley, A.B., *Special Assistant to the President*  
C. Gilbert Latham, B.S., M.S., *Associate Professor of Psychology and Sociology*  
Mattie Lee S. Lee, A.B., *Assistant Librarian*

Frances C. Longest, A.B., M.Ed., *Associate Professor of Business Education*  
 June M. Looney, A.B., M.A., *Assistant Professor of Psychology*  
 Eleanor W. Moffett, A.B., M.Ed., Ph.D., *Professor of English*  
 C. Fletcher Moore, A.B., M.A., D.Litt., *Professor of Piano and Organ*  
 James H. Overton, A.B., B.D., Ph.D., *Professor of Religion*  
 T. E. Perkins, B.S., M.Div., M.Ed., M.S. in L.S., *Librarian*  
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 cations*  
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 Durward T. Stokes, A.B., M.A., Ph.D., *Professor of History*  
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 Walter Westafer, B. Mus., M.Mus., Ph.D., *Professor of Music*  
 Jeanne F. Williams, B.S., M.S., *Associate Professor of Statistics and Mathe-  
 matics*

## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees. This fund is in memory of his wife, Mrs. Annie Elizabeth Moring Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon College. The income from this fund is used preferably for support of the department of religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in western Kentucky, bequeathed funds to the College to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of

recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*T. B. Dawson Memorial Bible Fund.* This fund was established by friends and relatives of the late T. B. Dawson. The earnings are used to assist the College in purchasing copies of The Holy Bible which are given to graduating seniors in religion.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the department of Biology.

*Dofflemyer Fund.* Established in memory of the late Milton A., Sr. and Naomi Frazier Dofflemyer by their children.

*George Joseph Fertig Fund.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time teachers.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund is being established by Garland Gray as a memorial to his mother.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson Pilot Professorship.* This fund was established by the Jefferson Pilot Corporation, Greensboro, N.C., The incumbent is appointed by the President of the College from any academic discipline within the College.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, N.C., in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* This fund was established by John T. Kernodle, class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley for whom the auditorium was named.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen Jr. of New Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York. A second bequest from his estate was later added to the fund.

*The Thomas Edward Powell, Jr. Professorship of Biology* was established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Feris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*Oscar F. Smith Memorial Fund.* A bequest from the estate of Oscar Frommel Smith of Norfolk, Va., who served as a trustee of the College.



*William Watson Sellers Endowment Fund.* This fund was created in memory of William Watson Sellers, Elon College alumnus and former member of the Board of Trustees.

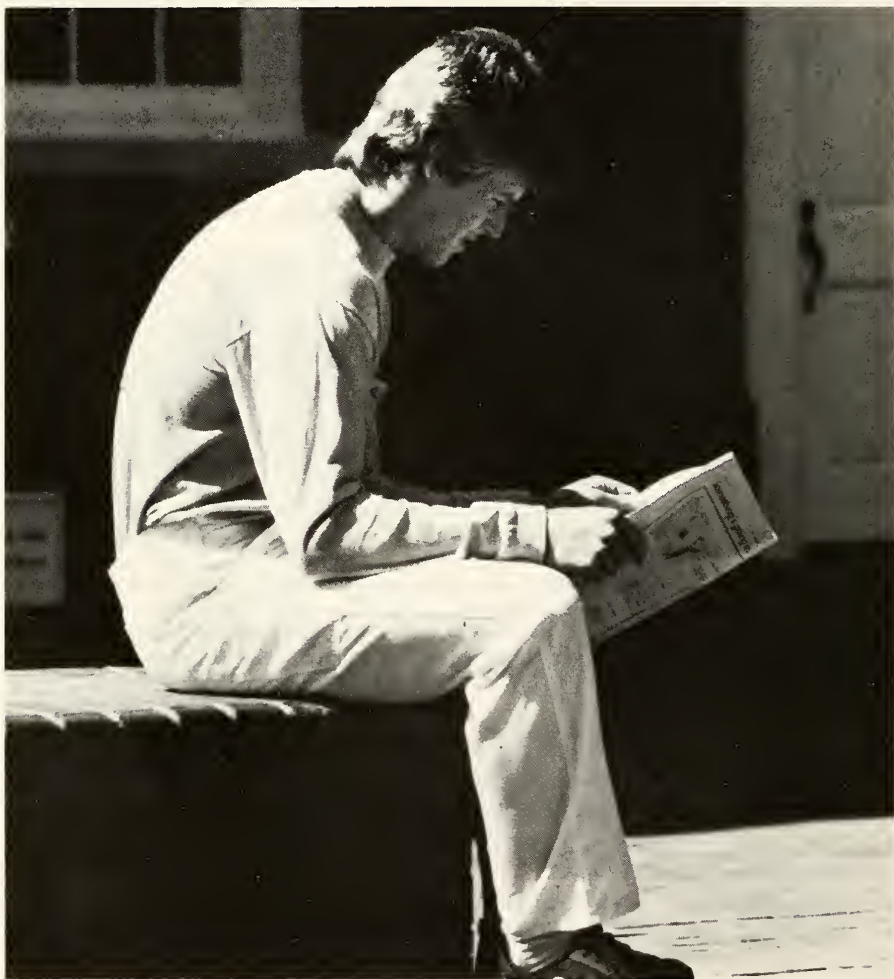
*Spence Endowment Fund.* This endowment fund was established by Royall H. Spence, Sr. and his wife, Dolly Lewis Spence, and Royall H. Spence, Jr. (Class of 1942) and his wife, Luvene Holmes Spence (Class of 1943), to provide additions to the Spence Collection in the College Library.

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the College from 1928 to 1956.

*Drusilla Dofflemeyer Voorhees Fund.* Created in honor of Drusilla Dofflemeyer Voorhees, class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the College.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.



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# COLLEGE

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# ELON







# Elon College

## 1985-86

Elon College / North Carolina 27244

Telephone 919-584-9711

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Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs.

Second class postage paid at Elon College, N.C. 27244.



# Calendar

## Fall Semester 1985

September 1 (Sunday)	Orientation
September 2 (Monday)	Orientation; Evening School Registration
September 3 (Tuesday)	Registration
September 4 (Wednesday)	Drop-Add Day; Evening Classes Begin
September 5 (Thursday)	Day Classes Begin
September 10 (Tuesday)	Last Day for Late Registration
October 18 (Friday)	Fall Break Begins at 1:15 p.m.
October 22 (Tuesday)	Fall Break Ends at 8:00 a.m.
October 22 (Tuesday)	Mid-semester Reports Due
November 4 (Monday)	Last Day to Remove Incomplete ("I") Grades
November 6 (Wednesday)	Preregistration Begins for Winter Term and Spring Semester 1986
November 27 (Wednesday)	Thanksgiving Holiday Begins at Close of Afternoon Classes
December 2 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 13 (Friday)	Classes End
December 14-18 (Sat-Wed)	Examinations

## Winter Term 1986

January 6 (Monday)	Registration
January 7 (Tuesday)	Classes Begin
January 29 (Wednesday)	Examinations

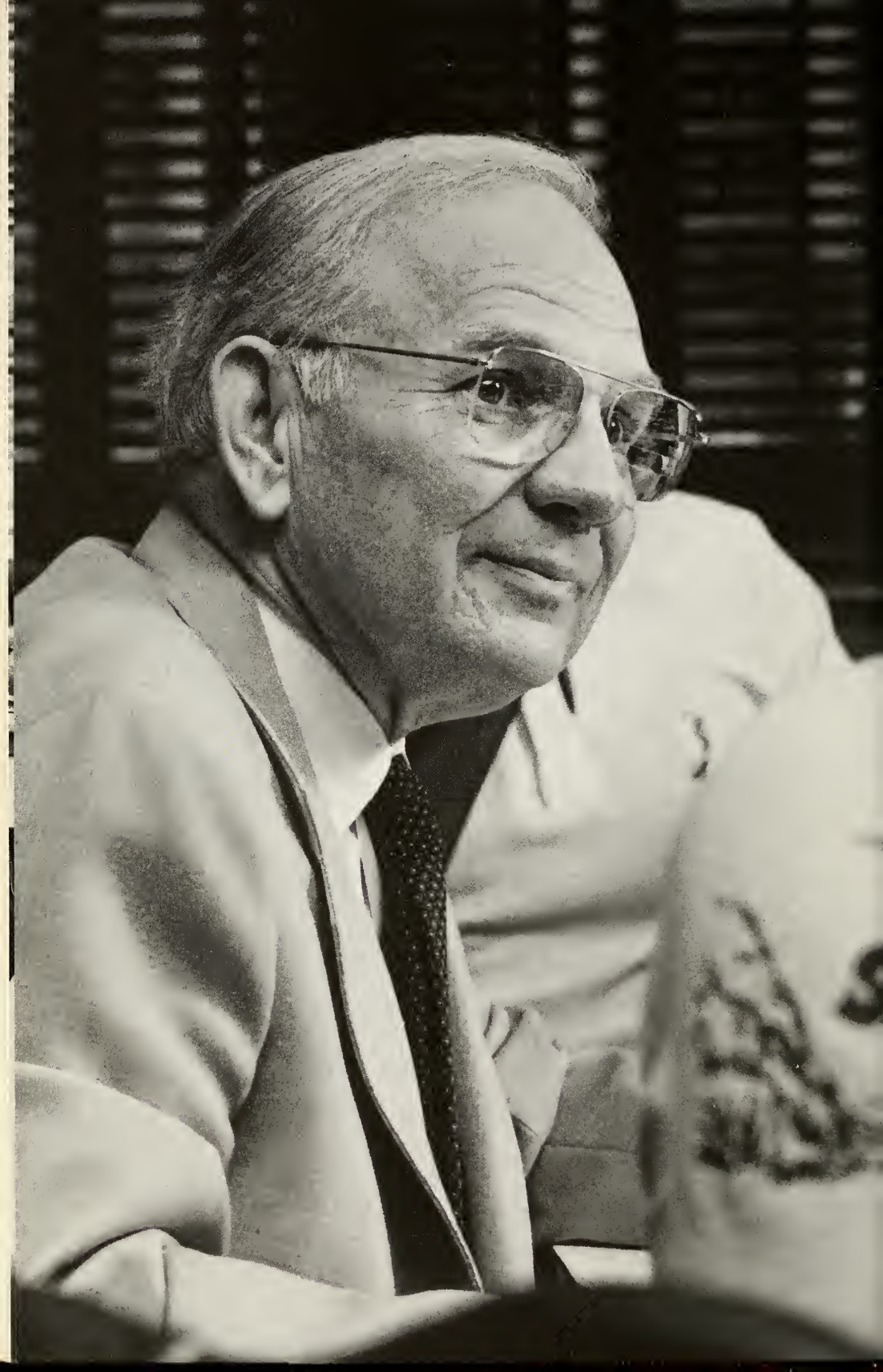
## Spring Semester 1986

February 3 (Monday)	Registration
February 4 (Tuesday)	Drop-Add Day; Evening Classes Begin
February 5 (Wednesday)	Day Classes Begin
February 10 (Monday)	Last Day for Late Registration
March 24 (Monday)	Mid-semester Reports Due
March 28 (Friday)	Spring Vacation Begins at Close of Afternoon Classes
April 7 (Monday)	Spring Vacation Ends at 8:00 a.m.
April 9 (Wednesday)	Preregistration Begins for Summer School and Fall Semester 1986
April 14 (Monday)	Last Day to Remove Incomplete ("I") Grades
May 9 (Friday)	Classes End
May 10-14 (Sat-Wed)	Examinations
May 18 (Sunday)	Commencement; Last Day of School

## Summer School 1986

First Term: June 2 — July 3  
Second Term: July 7 — August 8





## Introduction to Elon

Elon College is a coeducational, residential, church-related college on a beautiful campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the great intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantage of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 2,800 undergraduates come from 29 states and a number of foreign countries. Slightly more than half of the students are men, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of man's cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, career internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal

identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

### **Academic Calendar**

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study-abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, plus providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

The College offers workshops and seminars throughout the year.

A full schedule of evening and weekend classes provides maximum flexibility for students.

A wide variety of non-credit courses is offered throughout the year by the Office of Special Programs.

### **History**

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 at Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollments increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. The faculty increased to more than 100, teaching in 29 major fields offering four baccalaureate and two associate degrees. In fall 1984 the College began offering a masters degree in Business Administration.



Elon's seven presidents have provided the leadership essential for this progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

### **The Mission of Elon College**

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both personal life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the Charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.

2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.

3. An intelligent awareness of world cultures, conditions, events, and issues.

4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college career.

5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.

6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.

7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.

8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.



9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.

10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

### **Accreditation**

Elon College is accredited by the Southern Association of Colleges and Schools. Several departmental programs, including Education, Cytotechnology and Medical Laboratory Technician are accredited by the appropriate state or national agencies. Elon College is a member of the following:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

### **Campus and Buildings**

The Elon campus is beautiful, spacious, and rich in stalwart native oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including four new dormitories completed in 1982 and 1984, a new fountain, plaza area and extensive landscaping.

Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Student Center, Iris Holt McEwen Library, Harper Center, and twelve residence halls have been constructed since 1956. Completed in 1970 were a new office-classroom building and a new physical education facility, which includes an Olympic-size swimming pool. The present living and dining facilities serve a resident student body of approximately 1,600.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices,

classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

*John W. Barney Hall* houses 54 men students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 men students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building*, renovated in the summer of 1973, was the gift of three trustees of the College, P. J. Carlton, H. A. Carlton and L. E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses the fine arts department, classrooms, a rehearsal hall, and faculty offices.

*Carolina Hall*, erected in 1956, houses 126 women students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 men. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence, Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Mathematics, Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J. B. Duke and B. N. Duke contributed to the cost of erecting this building, which was renovated in 1966.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*Fraternities and Sororities* are housed in several off-campus residences owned by the College.

*Holland House* is the residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long time College trustee, by Mrs. Holland and their sons.

*A. L. Hook Hall*, housing 48 men students, was named for Dr. A. L. Hook,

who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck Olympic-size swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The Jordan Complex*, is named in honor of John M. Jordan, Alamance County businessman and politician. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*The Lodge* was acquired by the College in 1984. Located one mile from campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, the health service, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game rooms. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 114 women. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is a banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 150,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

The Spence Collection, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr. by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Isaac Mooney. This building, remodeled in 1967, houses faculty offices, classrooms, the Learning Resources Center, the television studio, and a recital hall.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Building*, located near the Harper Center, houses men students.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*The Power Plant* provides heat for the entire College.

*Sloan Hall*, a three-story brick structure housing 80 men students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 men students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall* were completed in 1968. Staley Hall houses 200 men, and Moffitt Hall 100 women. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 80 women students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Sixty-eight women students are housed on the second and third floors.

*Whitley Memorial Auditorium*, extensively renovated in 1972, has a seating capacity of approximately 500. Teaching and practice studios of the Fine Arts Department are located in the rear of this building.

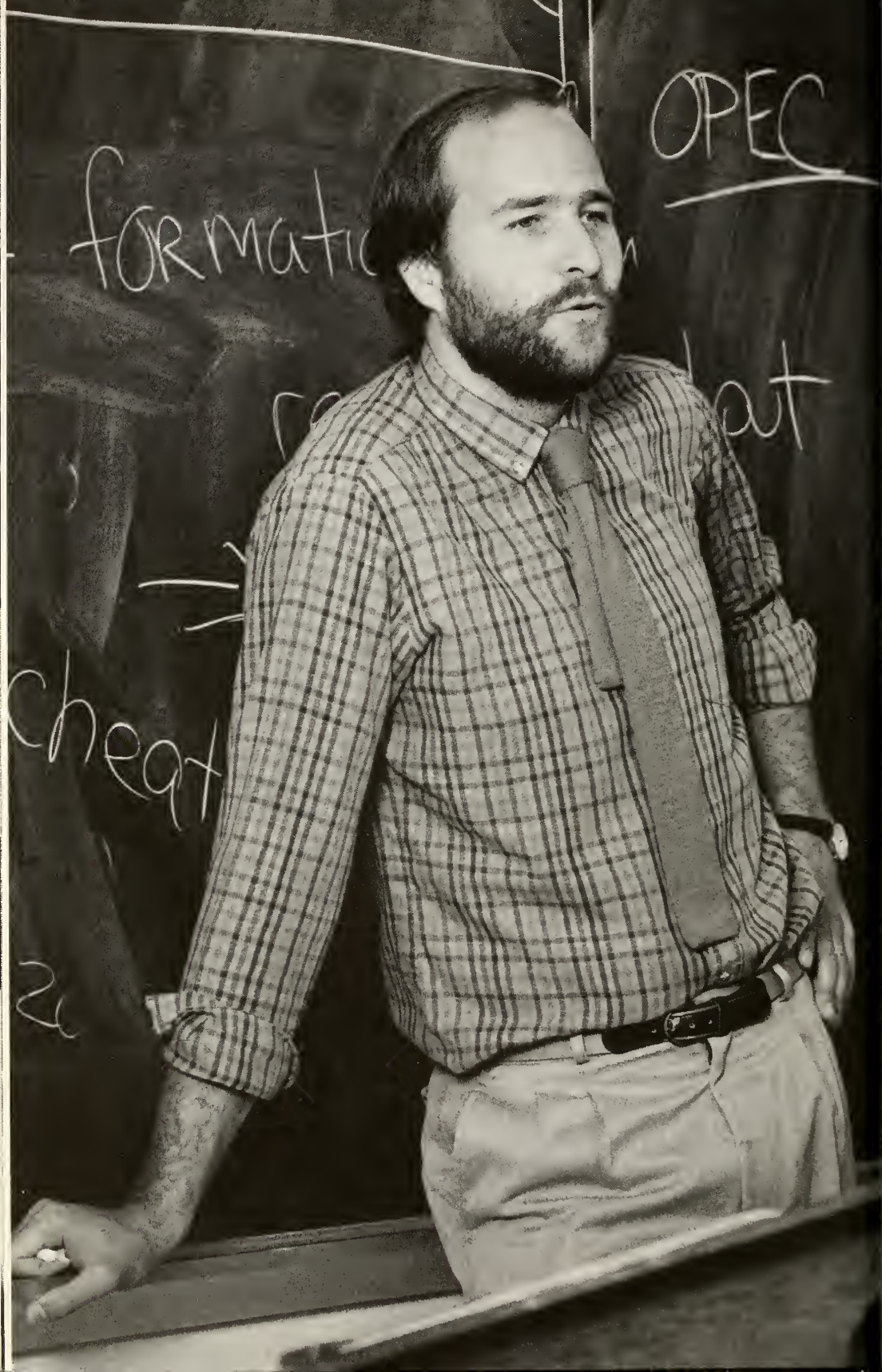
### Visitor's Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8 a.m. until 5 p.m. The admissions office is also open on Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

### Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services at Greensboro. It is also served by Carolina Trailways and Greyhound, which afford bus service to all parts of the country. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.





# ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

## Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degree of Master of Business Administration and the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Applied Arts, Bachelor of Applied Science, Associate in Arts and Associate in Science.

The *Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The principal objective of the M.B.A. program is to produce excellent general managers. For detailed information concerning the graduate program please contact the Admissions Office of Elon College.

The *Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Computer Information Science, Economics, Education (Elementary—Early Childhood, Intermediate, Middle Grades, Secondary—several subject areas), English, Foreign Languages, History, Human Services, Journalism, Mass Communications, Mathematics, Music, General Music, Office Administration, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

The *Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance or Marketing), Cytotechnology, Medical Laboratory Technician, Music Education, Physical Education and Health (Teacher Certification, Community Recreation, or Commercial Leisure and Sports Management).

The *Bachelor of Applied Arts* and *Bachelor of Applied Science* degrees offer graduates of two-year technical or vocational programs from accredited community colleges or technical institutes direct transfer of up to 65 semester hours of work. Elon College provides the general studies requirements for the bachelor's degree. Elon College offers a special program leading to the Bachelor of Applied Science degree in Radiologic Technology.

The *Associate in Arts* degree is awarded in Office Administration. The *Associate in Science* degree is awarded in Cytotechnology and Medical Laboratory Technician.

## Minor Fields of Concentration

Candidates for the bachelor's degree may elect to complete a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Information Science, Dance, Economics, Education, Special Education, English, Foreign Languages, Geography, Gerontology, History, American History, European History, Human Services, Journalism, Mass Communication (Broadcasting), Mathematics, Music, Office Administration, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Recreation, Religion, Sociology, Spanish and Sports Medicine.

## **General Studies**

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct and graceful English prose, and (3) to use methods of computation and understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

## **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

## **Experiential Education**

Elon College strongly supports programs which allow students to relate their classroom learning to a work experience. An active cooperative education and internship program provides opportunities throughout the academic year and during summers for students to test career objectives, to integrate theory with practice and to examine future job possibilities.



Internships may be developed through the academic departments. Positions are directly related to majors, may be full or part time, and are usually supervised by Elon faculty. Departments which require internships of their majors include Education, Human Services, Journalism, and Mass Communication. Internships are frequent in the fields of Community Recreation, History and Public Administration.

Cooperative Education at Elon is designed to meet student needs. Some positions involve alternating terms of work and study beginning in the second half of the sophomore year and continuing through graduation. Other co-op positions involve several terms in a part-time job. Students are placed in positions which offer pay and opportunities for increasing responsibility. For more information, students should contact the Director of Cooperative Education.

### **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Mass Communication, Human Services, Public Administration, Computer Information Science, Cytotechnology and Medical Laboratory Technician. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

### **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law and theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

### **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide background for admission to law school.

### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

### **Preministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry.



Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.

### **Special Academic Programs**

Elon College offers various programs for those people with special needs and qualifications.

#### **Academic Honors Program**

- Provides opportunity for academically talented students.
- Develops Academic Enrichment and Honors Courses.
- Allows enrollment by academic performance and interest.
- Assists students interested in graduate study.

#### **Academic Development Program**

- Assists students in understanding the basic concepts of reading, mathematics and communication skills.
- Gives small group instruction.
- Offers individual assistance by tutors and self-paced programs through the Learning Resources Center.

#### **Adult Education**

- Designed to encourage adults to return to college for further study.
- Conducts evening school programs (undergraduate and graduate)
- Offers a wide variety of non-credit courses throughout the year.

#### **Direct Transfer**

##### *Community College or Junior College*

Offers graduates of a college parallel program from an accredited junior college or community college full credit with a direct transfer of up to 65 semester hours of work toward a *Bachelor of Arts* or *Bachelor of Science* degree.

##### *Community College or Technical Institute*

Offers graduates of a technical or vocational program from an accredited community college or technical institute full credit with direct transfer of up to 65 semester hours of work toward a *Bachelor of Applied Arts* or *Bachelor of Applied Science* degree.

### **High School Credit Bank Program**

Makes it possible for the student to have sophomore standing at the time of college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

### **Military**

#### **ROTC**

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

#### *Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Accepts credit for USAFI courses taken while in service.

Transfers work completed at other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

#### *Bootstrap and Project Ahead*

Offers degree programs to military personnel on educational leave.

Opens door for persons who have not entered or completed college.

Grants credit for USAFI, CLEP, previous college work, and/or service experience according to ACE guidelines.

Offers built-in financial assistance.

### **Study Abroad**

Study-tours are scheduled as desired or needed to enhance a program and give students an opportunity to learn first hand from other countries and cultures. Tours are traditionally scheduled for the winter "mini-term" and summer session. Semester abroad programs in England are available.

### **Academic Support Services**

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is

available for students in preprofessional programs such as Prelaw and Premed.

Closely associated with the Academic Advising Center is the Career Development service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objectives.

### **Placement Services**

Elon College has a professional placement office that helps graduates find meaningful employment. Beginning during their junior year students are helped with resume preparation and interviewing skills. On-campus and off-campus interviews are arranged with prospective employers.

### **Learning Resources Center**

Located in Mooney Building, the Learning Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include tutorial assistance for most academic areas, computer assisted instruction, the academic computer and terminals, a microcomputer lab, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

### **Library**

The McEwen Library contains a well-rounded collection of more than 150,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

### **Computer Facilities**

The Learning Resources Center offers a variety of hardware capabilities and software support. The center is staffed with faculty, staff and student assistants to assist students with use of the computer. Formal courses and special seminars in the computing sciences and computer usage are also available. Every student and faculty member in Elon College is authorized for use of the computers. In addition to the Learning Resources Center, terminals for student use are located in Alamance Building.

## Student Life

Elon is committed to the education of the whole person. This is a place for learning — but not all learning is in books.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, service organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide — in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom — opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

### Student Personnel Services

*Counseling Service.* The College maintains a Counseling Service staffed by administrators and specially selected and trained students. This Service is designed to assist students with personal and vocational decisions.

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each residence area there is an Area Coordinator. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and meeting problems at an early stage offer a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the Counseling Service. Support groups, composed of students concerned about the same issues, are available for those interested.

*Career Development and Placement.* The Director of Career Development assists students in their choice of profession. Through testing programs the student is encouraged to explore fully all possible job opportunities. Emphasis is placed upon "life planning" so that career choice fits personal interest, ability, talent and job availability.

The Director of Placement assists seniors and alumni in finding employment after graduation. Visiting representatives from industry, business, education, and government interview candidates on campus. With written permission from student or graduate, credentials are made available to prospective employers on a confidential basis. No charge is made for this



service with the exception of a fee connected with sending official College transcripts.

*Health Service.* The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physicians. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcases, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, Spring, and Summer vacations. Rooms will be vacated and residence halls locked no later than 6:00 p.m. on the day classes end before these vacation periods. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, they are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Student Activities.

A commuter student organization also responds to the needs of this sizeable campus population.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activi-

ties is carried out during the year. Among these are movies, folk entertainment, travel groups, special theme parties, concerts, intramurals, and other social activities.

### **Student Government**

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

In addition, Area Councils, designed to provide self determination in each residence area, carry out important student governing functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

### **Honor System**

At the heart of campus life is the Honor System, initiated by the student body and approved by the faculty and the Board of Trustees of the College. This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen.

### **Religious Life**

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, just off the campus, is affiliated with the United Church of Christ and open to all students for worship. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

### **Cultural Life**

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in Whitley Auditorium by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

### Honor Societies

*Alpha Chi.* Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself by academic accomplishments.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.

*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, good citizenship within the academic and larger community.

*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929 and is one of four in North Carolina. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Sigma Epsilon.* The objective of this honor organization is to recognize scholastic achievement in the Office Administration program.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

### Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

*Departmental* - American Chemical Society, American Marketing Association, Business Students Communications Committee, Computer Science and Mathematics Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Society for the Advancement of Management, Human Services Club, Alpha Kappa Psi (Business).

*Greek* - There are eleven social fraternities and sororities at Elon. A number of these occupy College-owned houses. Fraternities include Tau Kappa Epsilon, Kappa Alpha, Kappa Sigma, Sigma Phi Epsilon, Sigma Pi, and Pi Kappa

Phi; sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, and Delta Sigma Theta.

*Music and Fine Arts* - Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, Drama Club, College-Community Orchestra, Elon College Gospel Choir.

*Religious* - Baptist Student Union (B.S.U.), Fellowship of Christian Athletes, Intervarsity Christian Fellowship, Newman Society.

*Service* - Civinettes, Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega.

*Sports* - Comprehensive Intramural program, Lacrosse Club, Outing Society, Women's Soccer.

*Others* - Commuter Student Organization, Class Organizations, Black Cultural Society, College Republicans, GENTS, Young Democrats.

## Communications Media

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates the three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is manned primarily by students. The station broadcasts from a modern facility in Harper Center.

## Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

## Athletics

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.



*Intercollegiate.* A member of the Carolinas Intercollegiate Athletic Conference, the South Atlantic Conference, the National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women, Elon has teams which compete with other colleges in football, basketball, wrestling, baseball, tennis, golf, track, soccer, women's volleyball, cross country, women's basketball and women's softball, and lacrosse.

### **Traditional Events**

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds — tug of war, potato sack races, chariot races, dance competition, and skits — are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

*Spring Fling.* A weekend of activities which includes student competitions, concerts, and other programs.

# Admissions, Finances, and Financial Aid

## Admission Procedures

Elon College operates on the Rolling Admissions Plan — completed applications are acted upon and candidates notified within two to four weeks. Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations. While a personal interview is not necessary, it is helpful both to the prospective student and to the College.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$15 application fee and transcripts of all high school credits and any post secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English 4 units	One Foreign Language 2 units
Math 2 units (Algebra I & II or Algebra I & Geometry—Algebra I & II preferred)	
History 1 unit	Science 1 unit

## Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

## Acceptance On Condition

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Academic Development Program. Upon successful completion of this work and recommendation by the Academic Development Program Coordinator, the student may proceed with regular course work.

## **Special Students**

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
2. *Persons 21 years of age or older who are not high school graduates* or candidates for a degree but wish to take class work. Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.
3. *College graduates* who are interested in further study at the College. Such applicants are admitted if they fulfill the requirements for admission to the desired courses.
4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.
5. *High school students who wish to enter Elon at the end of their junior year* may submit an application for special consideration for early admission.

## **Advanced Placement and Credit**

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### **Advanced Placement Examination**

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during Spring of the senior year may receive credit in the following fields: Art, Biology, Chemistry, Computer Science, English, French, German, History, Mathematics, Music, Physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

### **College-Level Examination Program (CLEP)**

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics, and Business. A "CLEP at Elon" information booklet is available which gives specific information. Adult students interested in receiving credit through CLEP should contact the Office of Special Programs for information. Scores should be sent to the Registrar's Office for approval by the Dean of Academic Affairs.

### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 221, 222; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$50.00.

## **Transfer Program Information**

### **Direct Transfer Program in Applied Arts and Applied Sciences**

Students receiving an Associate of Applied Arts or Applied Science Degree in a vocational or technical area from an accredited technical institute or community college may transfer all work up to and including 65 semester hours (or equivalent) for application toward a BAS (Bachelor of Applied Science) or a BAA (Bachelor of Applied Arts) degree. However, the BAA in Early Childhood Specialist will NOT meet teacher certification requirements in North Carolina.

Requirements for BAA or BAS Degree:

1. A student will transfer his major (Applied Arts or Science degree).
2. General Studies requirements will be completed at Elon College.
3. Enough additional elective hours will be earned at Elon to equal the 126 required for graduation.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.

### **Direct Transfer Program in Liberal Arts**

Graduates of accredited community colleges or junior colleges who hold an Associate of Arts or an Associate of Science Degree may continue their education at Elon College and receive full credit for their study at the junior college level, with direct transfer of up to 65 semester hours of work.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements will be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation will be completed at Elon.
4. Any freshman admissions deficiencies in Mathematics or Foreign Language will be completed at Elon.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.



### **Transfer of Partial Credit (No Associate Degree)**

Credit is given for college-level courses from any accredited institution insofar as they parallel courses at Elon. However, no credit is allowed for a course in which the grade is below that of "C," except in direct transfer or authorization from the Dean of Academic Affairs.

### **Credit for Veterans**

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. USAFI courses taken while in the service may be accepted for credit.
3. Work from other accredited post-secondary institutions may be accepted.
4. Service experience may be accepted for physical education and health requirements.

### **Acceptance and Room Reservation Fees**

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$125 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 10, with written notification of withdrawal. After May 10, \$25 is refundable until August 1. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 10, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 10 for the fall semester, and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

### **General Costs**

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office, or through buying individual meals.

**Book Expenses.** The estimated cost of textbooks is \$200 to \$250 for the academic year, of which \$125 is needed for purchases from the campus bookstore at the opening of fall semester.

**Costs Covered by Tuition.** Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, health service, post office box, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

## Expenses for the 1985-86 Academic Year

### Full-Time Enrollment/Day Students\* (12-18 hours)

	Fall Semester	Winter Term**	Spring Semester
Tuition .....	\$1,750	\$260	\$1,750
Room .....	460	140	460
Board*** (Winter Term billed with Fall Semester)			
7 day plan .....	775	200	575
5 day plan (not available to freshmen) .....	675	150	525
Student Government .....	23		23
Overload (more than 18 semester hours) .....	70/hour		70/hour
Caution/Damage Deposit (refundable, applies to dorm students only) .....	50		

\*Students enrolled for only 10 or 11 hours in Fall or Spring will be charged for the full semester's tuition.

\*\*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either Fall or Spring semester, there is no charge for the Winter Term.

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

### Part-Time Enrollment/Day Students

Tuition for day or evening courses (no more than 9 hours per semester) .....\$70/hour

### Evening School

#### Undergraduate Programs

Tuition .....\$70/hour

In order to be eligible for this special rate for more than 9 hours in Fall or Spring students must (1) have earned a high school degree or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions.

#### Graduate Programs - M. B. A.

Tuition .....\$110/hour

### Summer School 1985

Tuition per semester hour .....\$70

College enrollment fee including SGA of \$1 ..... 10

Room and Board per summer term ..... 360

### Special/Optional Fees (No Refunds)

#### Fine Arts Courses (individual lessons)

For Summer School and part-time students, special fees are charged for applied music and art lessons.

One semester hour credit or audit ..... \$140

Two semester hours credit or audit ..... 240

Auditing Courses — per course ..... 50

Driver Training — PE 260 ..... 30

Golf — PE 105 or PE 161 ..... 25

Scuba — PE 209 ..... To be announced

### Graduation Fees

Bachelor Degree ..... \$22.50

Associate Degree ..... 12.50

### Miscellaneous

Late registration/Re-enrollment during term .....\$25

Late Payment ..... 25

Drop/Add course after classes begin ..... 10

Transcripts ..... 3

Caution deposit (dorm damage and key) refundable after student

leaves campus housing ..... 50

Examination for course credit ..... 50

Automobile registration	
Resident students .....	15
Commuter students .....	10
Replace I.D. Card .....	5
Replace Meal ticket .....	5
Returned check fine .....	15

A student's or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

## Refunds

### Academic Year — Fall and Spring Semester

Tuition, fees and room charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 20%
- 2nd week pro rata charge 40%
- 3rd week pro rata charge 60%
- 4th week pro rata charge 80%
- 5th week - No refund

Upon Withdrawal, Meal Ticket refunds are pro rated.

### Notice of Withdrawal

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

### Winter Term and Summer School

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

## Payment Plans

The College makes several private payment plans available. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering Freshmen and is available in the Financial Planning Office.

## Financial Aid

Elon College operates on the policy that no student should be denied a college education because of limited funds. As far as possible, eligible stu-



dents are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of financial aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus administered funds (except the Pell Grant) is given to those students enrolled for at least 12 semester hours of course work per semester. Pell Grant awards are made to eligible students who enroll for at least 6 semester hours of work per semester and the amount of the award will be determined by the exact number of hours for which the student is enrolled.

There are three types of aid, and a financial aid award usually includes some portion of each type:

- Grants and scholarships that require no repayment.
- Long term, low interest loans.
- College Work Study and Institutional Work Study.

Applications for a "named" scholarship are not necessary. Recommendations are made by the Financial Aid Committee.

Prior to May 1 EACH YEAR, entering students, transfer students, and continuing students MUST do the following:

- (1) complete a College Scholarship Service (FAF) in its entirety, or a Financial Statement of American College Testing Program (FFS);
- (2) request that a copy of the FAF (Elon College Code #5183) or FFS (Elon Code #3096) be sent to Elon College;
- (3) complete an Elon application for financial aid; and
- (4) send a signed copy of the federal tax forms of both the student and the parents for the previous year to the Office of Admissions and Financial Planning, Elon College.

Students who feel they are financially independent of their parents should contact the Elon College Office of Admissions and Financial Planning for application instructions.

### **Government Sponsored Financial Aid Programs**

*Pell Grants.* These grants are based on need. A financial statement (FAF or FFS) and Elon College application for financial aid are required. The student receives an eligibility report which he or she must send to Elon.

*National Direct Student Loan Fund.* Under the terms of this program, students at Elon College may secure loans from this fund. To be eligible a student must be in need and have been accepted for enrollment to carry at least half of the normal full-time work load. Interest rate is 5 percent and begins six months after a borrower ceases to pursue at least a half-time course of study. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Supplemental Education Opportunity Grant Program.* Grants are available to students who demonstrate financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Parental Loan Program.* Loans are available to parents of students and to graduate students enrolled in a post high school educational program. Repayment will begin within 60 days of disbursement and interest accrues at the rate of 12 percent.

*Guaranteed Student Loan Program.* The Guaranteed Student Loan Program is designed to make it possible for students to borrow from private lenders to help pay for the cost of education and training at universities, colleges, and vocational schools with the Federal Government paying the interest on the loan while the student is in school. Loans are either guaranteed by State or private nonprofit agencies or insured by the Federal Government at an interest rate of 8 percent for new borrowers. A student may apply for a maximum of \$2,500 per academic year. Total loans outstanding may not exceed \$12,500 for undergraduate students. In North Carolina, this program is administered by College Foundation, Inc., Raleigh, North Carolina. In Virginia, it is administered by Virginia Education Loan Authority, Richmond, Virginia. Applications are available from the individual agencies or banks in other states.

*College Work-Study.* Students who qualify for financial assistance and need a job to help pay for college expenses are potentially eligible for employment by their colleges under federally supported Work-Study Programs. Students may work up to 20 hours weekly while attending classes full time. During the summer or other vacation periods, students may work full time.

*North Carolina Legislative Tuition Grant.* A \$850 tuition grant is available to all bona fide North Carolina residents in full-time study in a private college within the State. The application is completed during registration.

*North Carolina Contractual Scholarship Fund.* The North Carolina State Legislature has passed legislation providing funds for needy North Carolina residents who wish to attend a private college. These scholarships are administered by Elon College based on financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*North Carolina Student Incentive Grant.* Gift aid granted to low income North Carolina residents attending a public or private educational institution within the State. Grants are approximately \$200-\$2,000 and are administered by College Foundation, Inc. Application for this program is made by completing either the FAF or FFS.

## Student Employment

*Institutional Work-Study Program.* This program is maintained by the College to provide students part-time employment on campus to help defray their college expenses.

*Off-Campus Employment.* The College strives to help as many students as possible find part-time employment in the surrounding community.

## Freshman Academic Awards Program

A freshman who has been accepted to Elon College may be nominated by his or her high school counselor or principal or by the Academic Scholarship Committee of Elon College. These scholarships are renewable provided that the student makes satisfactory academic progress, maintains a semester and cumulative grade point average of 3.0 or better, carries a minimum of 30 semester hours each academic year, and participates in the Honors Program if invited to do so. The freshman awards program consists of the four following categories of scholarships:

### *Trustee Scholars*

These scholarships range from \$1,800-\$2,500 and are awarded to the top academic students participating in the freshman awards program.

### *Presidential Scholars*

These scholarships range from \$1,000-\$1,750, and a limited number are reserved for Alamance County residents.

### *Elon Scholars*

These \$500-\$950 scholarships, established by the trustees of Elon College, are awarded each year to students with outstanding promise.

### *Merit Scholarships*

These \$400 scholarships are awarded to students with an outstanding potential for success at Elon College.

## Presidential Scholarships

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the College, a scholarship is awarded to some worthy member of the freshman class.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the College, this fund was established by an initial gift from John T. Kernodle, of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. The income from this endowment is used to aid worthy students.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the College, a scholarship is awarded to some worthy member of the freshman class.

## Academic Scholarships

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*The Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*McCrary Scholarship.* Established by Iris and John McCrary. For academically talented students who have financial need.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure. For an academically talented student.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr. For a promising student in early childhood education.

*Watterson-Troxler Scholarship.* Awarded annually by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White. For an outstanding student, preferably from Vance County, North Carolina.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

## General Scholarships

*Alamance-Caswell Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Simeon Lee Allen Scholarship.* Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.



*John W. Barney Memorial Scholarship.* The fund was established by colleagues, former students, and friends.

*R. H. Barringer Distributing Co., Inc., Tennis Scholarship.* Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford or Rockingham counties, N.C.

*Robert C. Baxter Scholarship.* For worthy students.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*The C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags, Inc. Scholarship.* For deserving students, preferably employees of Burlington Handbags, Inc., or Alamance County students.

*William E. "Buster" Butler, Jr. and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R. Jr. and H. W. Byrd. For employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Two awards annually — one to a deserving student who is a member of the basketball team and one to a student who is working his/her way through college as a member of the college's sports information office.

*Pauline Nina Taylor Cammack Scholarship.* Given by Ramsey E. Cammack in memory of his wife, this fund is available to deserving students.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Frederica Olsson Chase Memorial Scholarship.* Established by Constant W. Chase to be awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, class of 1924.

*Carl and Betty Coley Scholarship.* For worthy students.

*The Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*Dewey Hobson Dofflemeyer Scholarship.* Established by his wife, Annie Onley Dofflemeyer.

*William H. and Kathryn M. Duncan Scholarship.* For deserving students who are legally blind or are low vision patients.

*The W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Clyde Lee Fields Memorial Scholarship.* For deserving students.

*H. Terry and Nonnie B. Floyd Scholarship.* Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

*Sadie V. Fonville Memorial.* For a worthy student who is a member of the United Church of Christ.

*John L. Frye Scholarship.* For deserving students, with preference given to football program participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*The Gordon-Jennings Scholarship.* To provide scholarship aid to deserving students.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students, with first preference to members of Sigma Phi Epsilon Fraternity and second preference to a political science major.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Asheville—Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers the fund. For worthy "orphaned and neglected children," preferably those from the Elon Home for Children.

*David M. Helfenstein Scholarship.* Established by a bequest from Miss Anna Helfenstein.

*E. E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul. For a deserving student baseball athlete.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson

Jackson, Sr. For needy and worthy students who have exhibited a potential for positive contributions to the College community and society.

*Maurice Jennings Scholarship.* Income provides academic scholarships for deserving students.

*Virginia Somers Jones Scholarship.* For deserving students.

*Rep. John M. Jordan Scholarship.* For a deserving student from Alamance or Rockingham Counties, N.C.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Lecy Martin Kernodle Scholarship.* This bequest provides aid for Alamance County, N.C. students majoring in education.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably to those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For native born Americans who express an interest in and show promise in art, journalism and music.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.

*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*The Mills and Mary Alice Luter Scholarship.* For a deserving student, preferably from the Elon Home for Children.

*Zebulon and Alma Lynch Scholarship.* Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, this fund provides assistance for needy and worthy students, preferably from Alamance County, N.C.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students, preferably from Lynnhaven Colony Church.

*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston, and Mrs. Pattie Alston Macon.

*Winona Morris Madren Scholarship.* For deserving students, with preference to students from Albemarle, Greene and Rockingham counties of Virginia, or from the Shenandoah Association Area of the U.C.C., this fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

*W. L. and Beulah McNeill Maness Scholarship.* Established by Reverend Maness in memory of his wife, this fund provides assistance for worthy and needy students pursuing careers in Christian service.

*The Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes in basketball, football and baseball.

*The John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*Memorial Scholarship Fund—First Christian Church, Portsmouth, Virginia.* Established by the Women's Fellowship and others of the First Christian Church, Portsmouth, Virginia, in 1965.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Myers-Sanders Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders. For a deserving student.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., class of 1948, and his wife, Margaret S. Plybon. For worthy students who have demonstrated high academic and leadership abilities.

*The Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, North Carolina.

*O. D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress. For worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*Japheth E. Rawls, Jr. and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology major(s) selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.

*Viola V. Rollings and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings.

*Huck Finn-Tom Sawyer Tennis Scholarship.* For deserving men and women who are members of the Elon College tennis teams.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C. who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford Counties.

*Oscar F. Smith Scholarship.* For scholarship assistance to students preferably from Eastern Virginia.

*The John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Incorporated Scholarship.* To provide scholarship aid to a deserving student.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.



*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor. Provides assistance for deserving students.

*The William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Tidewater Alumni Chapter Scholarship.* Established by the area alumni for worthy students from the Tidewater area.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*The William H. and John A. Trolinger Memorial.* Established by Mrs. Isla Stratford May, William H. Stratford, John B. Stratford, Parke C. Stratford, and Robert E. Stratford. For worthy students from Alamance County.

*Lillian Pearl Tuck Endowment.* Established for Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

*Wallace Lincoln Tuck Scholarship.* For needy students.

*Union United Church of Christ Scholarship.* For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

*Thyra Wright Vestal Scholarship.* Established by Mrs. Vestal. For a deserving student preparing for a Christian vocation.

*Wake Chapel Christian Church Scholarship.* For needy and deserving students, preferably from Wake Chapel Christian Church (U.C.C.).

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students. Provides annual scholarships in football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

*Clyde T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters. Provides annual scholarships to deserving women athletes.

*William I. Ward, Sr. and David Samuel Ward Scholarship.* Established by William I. Ward, Jr. To a graduate of Graham (N.C.) High School, or its successor high school or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson. To a rising senior majoring in business administration based on scholarship, character and potential for societal contribution.

*Nellie Glenn White Scholarship.* For deserving students, with preference given to members of the Congregational United Church of Christ in Greensboro, which established the scholarship.

*S. S. "Red" Wilson Scholarship.* For basketball and football athletes who maintain a "B" average.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents. For deserving students, with

preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

### Ministerial Student Scholarships

Dependent children of ministers of the United Church of Christ are granted tuition discounts of \$400.

*Edward M. Albright Scholarship.* Established by his wife, the late Mrs. Olivia White Albright.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward. In memory of Waverly S. Barrett, and William D. Harward, Class of 1896.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish speaking people.

*Richie E. and Agnes R. Brittle Scholarship.* Created by the Hunterdale United Church of Christ, Franklin, Virginia.

*Trudie Kimrey Bueschel Christian Education Scholarship.* Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother, income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Eastern North Carolina Ministers Memorial.* For scholarships preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association church, (3) a member of a Southern Conference church.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of Reverend I. W. Johnson.

*Lee County Scholarship.* For needy students, preferably preparing for full time church-related vocations from one of the participating churches.

*J. U. Newman Memorial Scholarship.* Established by Lila Clare Newman in memory of her father.

*John Webster Patton Scholarship.*

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon College.

*The Rev. Lacy M. Presnell, Sr. Memorial Scholarship.* Established by family and friends. To provide financial assistance for worthy and deserving stu-

dents, preferably from the general Randolph County area preparing for full-time church-related vocations.

*Emmett H. and Katherine H. Rawles Scholarship.*

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*St. Mark's Reformed Church Scholarship.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, preferably pursuing pre-ministerial or Christian Education studies.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers. For the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia. Income is used preferably for one or more students from the Tidewater, Virginia area, pursuing full-time Christian vocations.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student of an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Alda June Jones Stevens Memorial Scholarship.*

*Thyra Wright Vestal Scholarship.*

*Robert Ronald Wagner Memorial Scholarship.* Established by Robert R. Wagner II in memory of his father, income from this fund is awarded to ministerial students.

## Music Scholarships

*Band Scholarships.* Awarded on a limited basis to students who are musically talented and participate in band activities.

*Jennie Willis Atkinson Bradford Scholarship.* Provides a scholarship each year to a worthy student in the Department of Fine Arts.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*The Billy Crocker Jazz Scholarship.* To a member of the Emanons. The recipient will be selected by a vote of members of the Emanons and the directors.

*A. J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*Presser Scholarship.* Provided by friends of The Presser Foundation of Philadelphia, Pa. For the assistance of deserving students who are preparing to become teachers of music.

*Velie Memorial Music Scholarship.* Established by relatives and friends. Professor Velie was a member of the music faculty at Elon College. He directed the choir of the Elon College Community Church. For a deserving student majoring in music.

## Loan Funds

*Amick Fund.* Dr. T. C. Amick, formerly of the College Faculty, created a fund to be loaned to deserving students at six percent interest.

*Stein H. and Pearl M. Basnight Loan.* A bequest from the estate of Stein H. Basnight. For United Church of Christ students preparing for the ministry. Loaned at a rate of six percent interest. If the student enters the Christian ministry, the interest is forgiven.

*Bowling Fund.* Dr. E. H. Bowling of Durham, N.C., has created a fund to be used in educating deserving students, preferably candidates for the ministry.

*James E. and Mary Z. Bryan Foundation Student Loan Plan.* Established by Mary Z. Bryan as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh, North Carolina. Students may borrow up to \$1,000 per academic year. Four percent interest accrues while student is in school and increases to six percent after student ceases to be enrolled as a full-time student.

*Burlington Elks Scholarship Loan Fund.* Lodge #1633. For students who are residents of Alamance County.

*Dr. J. A. Clarke Fund.* The money is loaned at six percent interest.

*Maggie B. Dixon Loan Fund.* To assist members of the junior and senior classes.

*Knights Templar Educational Loan Fund.* Under the rules of the Grand Commandery, students at Elon may obtain loans from this fund.

*McLeod Fund.* Loaned to worthy students on proper security.

*Helen Martin Parkerson Loan Fund.* Established by Mrs. Helen Cannon as a memorial to her mother. Loaned to deserving students in Office Administration.

*T. M. Stanback Fund.* Created by gifts from Mr. and Mrs. T. M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.





# Academic Regulations

## Degree Requirements

### Degrees and Major Fields

Elon College offers the following degrees and major fields of study:

Master of Business Administration (M.B.A.)

See the Graduate Catalog for degree requirements.

Bachelor of Arts (A.B.)

Biology	Journalism
Chemistry	Mass Communication
Computer Information Science	Mathematics
Economics	Music
Education	Office Administration
Elementary (K-4 and 4-6)	Philosophy
Middle Grades (6-9)	Physics
Secondary	Political Science
English	Psychology
Foreign Languages	Public Administration
General Music	Religion
History	Science Education
Human Services	Social Science
	Sociology

Bachelor of Science (B.S.)

Accounting	Music Education
Business Administration	Physical Education and Health
(Management, Finance and	Physical Education: Community
Marketing)	Recreation
Cytotechnology	Physical Education: Commercial
Medical Laboratory Technician	Leisure and Sports Management

Bachelor of Applied Science (B.A.S.)  
and Bachelor of Applied Arts  
(B.A.A.)

Radiologic Technology  
Cooperative transfer programs offered to graduates of community colleges and technical colleges

Associate in Arts (A.A.)

Office Administration

Associate in Science (A.S.)

Cytotechnology  
Medical Laboratory Technician

## Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.
2. Completion of General studies as follows:
  - a. Foundational Studies .....9
    - (1) English 111, 112 (Freshman English Composition) .....6
    - (2) Mathematics 111 (or higher) .....3
  - b. Liberal Studies .....31
    - (1) *Expression* .....6  
Eloquent and creative expression in literature and fine art.  
Six hours chosen from art, English, fine arts, music, at least three hours of which must be English.
    - (2) *Science (Analysis)* .....7  
Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data.  
One physical or biological laboratory science and three hours chosen from either mathematics or science.
    - (3) *Reflection* .....6  
Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
    - (4) *Civilization* .....6  
Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
    - (5) *Society* .....6  
Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
  - c. Advanced Studies .....12  
In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates one or more of the areas.
  - d. Physical Education 160 .....2

3. Electives
4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.
5. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies in those areas.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work. In addition, each student must have twice as many quality points as credit hours attempted.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

A student who receives a bachelor's degree from the College and wishes to qualify for another bachelor's degree must earn at least 16 semester hours beyond those required for the first degree and must complete all requirements for an additional major appropriate to the second degree. No student will be awarded two degrees at the same commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. Students in Medical Laboratory Technician, Music and Radiologic Technology should begin their major in their freshman year. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field(s) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.



### **Associate Degrees**

The associate degree programs are listed in the courses of instruction.

## **General Academic Regulations**

### **Registration and Courses**

#### **Classification**

Classifications are made at the beginning of the college year in September.

A sophomore must have removed all entrance conditions and have completed 24 hours of work toward a degree.

A junior must have completed 54 semester hours, and a senior 84 semester hours of work toward a degree.

#### **Course Load**

Twelve hours of college work is considered the normal student load for freshmen. The normal student load for upperclassmen is considered to be fifteen hours of college work. Students who are on academic probation are limited to a maximum load of 13 semester hours in Fall and Spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

#### **Course Registration**

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Continuous subjects (designated by a hyphen, e.g., 111-112) must be pursued to completion to earn credit toward a degree. Unless the student and his advisor consider it essential, a student should not change his schedule after registration.

#### **Auditing Courses**

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$50 for each course.

### **Changes in Class and Schedule**

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$50.00.

### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Dean of Academic Affairs.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade-point average is less than 2.00 may not register for overload hours in any term.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the requirements for the major and minor on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

### **Studies Abroad Programs**

Students who participate in Studies Abroad programs may earn credit for no more than three winter term or summer programs. A letter grade is given for the first enrollment. For additional enrollments, (1) pass/fail grades are given and (2) only elective credit is earned. Students who earn pass/fail grades for winter terms or summer Studies Abroad programs will still be permitted to have pass/fail grades in two one-semester courses outside their major/minor requirements.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing the attendance regulations. The following is the general plan of the attendance regulations:

Each department publishes its own attendance policy. A student who has excessive absences in any class is reported by the faculty member to the Advising Office. Members of the advising staff will confer with the student. If the absences are not excusable, the student will be warned, and his faculty advisor will be apprised of the situation. If unwarranted absences continue, the Dean of Academic Affairs may suspend the student from the class or from the College.

### **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

## Grades and Reports

### Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade	Quality Points
A Superior work	4
B Work above the average	3
C Average work	2
D Work below the average	1
F Failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory	0
WD Medical withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No report	0

The minimum passing grade is "D." A grade of "F" indicates failure.

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### Grade-Point Average

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted, except for courses with grades of P, S, WD or WP.



### **Grade Reports**

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

### **Dean's List**

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.33 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

### **Graduation With Honors**

Candidates for graduation with an average of 3.87 or more quality points for each credit hour are graduated *summa cum laude*; those with 3.67 or above, *magna cum laude*; and those with 3.33 or above, *cum laude*. The average for honors is computed on all work attempted in college whether at Elon or another institution.

Elon College provides a comprehensive Honors Program for students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of 21 semester hours of Honors courses and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

### **Student Access to Educational Records**

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

### **Transcripts of Student Records**

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic

record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

### **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. He will give such permission for work only in fully accredited institutions. Credit is allowed only for courses of college level which also are allowed toward graduation by the institution conducting the summer school. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

## **Academic Standards and Withdrawal**

### **Academic Warning, Probation and Suspension**

At least a "C" average (grade point average of 2.00) is necessary to satisfy the College's academic requirements. Each student whose cumulative grade point average is less than 2.00 will automatically be placed in some level of academic deficiency. Records of these students, as well as those whose grades in any semester fall below 2.00, are reviewed by the Committee on Academic Standing. The Committee will (1) place the student on academic warning, (2) place the student on academic probation (a more serious deficiency), or (3) suspend the student. A student with serious grade deficiencies is eligible for suspension action at any time after the completion of one full-time semester of attendance.

Students on academic warning or probation are expected to show significant improvement in their next semester or term. Students who are on academic probation are limited to a maximum load of 13 semester hours in Fall and Spring semester. The Committee removes from warning the students whose cumulative grade point averages improve to at least 2.00. The Committee removes from probation and changes to warning (or clear standing) students whose cumulative grade point averages improve sufficiently. The Committee asks those who do not show adequate improvement to discontinue their studies. One academic semester must elapse before students suspended for failure to maintain normal academic progress are eligible for reinstatement. Applications for reinstatement are available from the Admissions Office. A student who is suspended a second time for academic reasons is normally not readmitted to the College for further study.

### **Dismissal**

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful

consideration and consultation with the student or students in question and all other parties with information pertinent to the matter at hand.

### **Leave of Absence and Withdrawal**

If a student, for any reason, concludes that he must leave the College on a temporary or long term basis, he must confer with the Dean of Student Affairs and the Dean of Academic Affairs to formalize his plans. If he wishes to be absent for as long as two semesters, he may request a Leave of Absence under which he may automatically return to the College at a time mutually acceptable. Faculty will be requested to report student progress in class at the time a Leave is granted by indicating either a WP or WF grade. The official record of the student cannot be cleared until action —either Leave or Withdrawal — is complete.



# Courses of Instruction

## Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, English, Fine Arts, Journalism, Languages, Mass Communication, Music, Philosophy, Religion
Division of Sciences and Mathematics	Biology, Chemistry, Computer Information Science, Cytotechnology, Mathematics, Physics, Medical Laboratory Technician, and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Office Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health	Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

## Accounting

*Chairman, Department of Business Administration, Accounting and Office Administration:* Professor Marr

*Professor:* Sanders

*Associate Professors:* Oliver, Coltrane

*Assistant Professor:* Brock

*Instructor:* McNamee

A major in Accounting requires Accounting 211, 212, 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 321, 322, 323, 343 and 412. Additional course requirements are Computer Information Science (3 semester hours); Economics 211, 212, 246, 347; and Mathematics 111 and 165 (or calculus sequence).

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other upper level accounting courses.

### **211, 212. PRINCIPLES OF ACCOUNTING I AND II**

**4 semester hours each semester**

To give the student an insight into the various methods used in keeping the records of single proprietorships, partnerships, and corporations. Year-end adjustments, work-sheets, and preparation of financial statements emphasized. 3 class hours, 2 laboratory hours. Prerequisite: ACC 211 required for 212.



**331, 332. INTERMEDIATE ACCOUNTING I AND II** **3 semester hours each semester**  
Each item of the balance sheet and income statement is analyzed critically. Alternative methods and procedures are evaluated against the background of the latest authoritative pronouncements and the theory that supports them. The statement of changes in financial position is studied. Prerequisites: ACC 211, 212. ACC 331 is required for 332. Lectures and laboratory.

**336. COST ACCOUNTING I** **3 semester hours**  
A study of cost procedures. Materials, labor, overhead; job order and process systems; standard costs. Prerequisites: ACC 211, 212.

**337. COST ACCOUNTING II** **3 semester hours**  
An extensive examination of the uses of cost data by management. Includes managerial techniques and their application to decision making. Prerequisites: ACC 336, ECO 246.

**441. INCOME TAX I** **3 semester hours**  
An introduction to income tax theory and concepts and a study of tax fundamentals and basic rules for the individual, partnership, and corporate taxpayer. Prerequisites: ACC 211, 212.

**442. INCOME TAX II** **3 semester hours**  
A thorough study of capital gains and nontaxable exchanges for the individual and corporate taxpayer. Additional topics include income averaging, minimum tax on preferences and maximum tax on personal service income. Prerequisite: ACC 441.

**451. ADVANCED ACCOUNTING I** **3 semester hours**  
Specialized accounting problems: Partnerships; corporate liquidation; consolidated statements, including intercompany transactions, and purchase and pooling methods of accounting. Prerequisite: ACC 332.

**452. ADVANCED ACCOUNTING II** **3 semester hours**  
A study of accounting for governmental units, not-for-profit entities, estates and trusts, corporate liquidation, and foreign operations. Prerequisite: ACC 451.

**456. AUDITING** **3 semester hours**  
Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing and substantive testing. Prerequisite: ACC 332.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**  
Advanced study consisting of reading problems, reports and discussions of current topics, and CPA review. Participation by students, departmental faculty, and other resource persons.

**491. INDEPENDENT STUDY** **1-3 semester hours**

## Art

*Associate Professor:* Daniel

*Part-time Instructors:* J. Henricks, Kinard

A minor in Studio Art requires Art 111, 113, 221, 223, 491 (3 semester hours); plus 6 semester hours selected from Art 103, 104, 211, 212, 213, 214, 311, 312, 491.

**103. CERAMICS I** **3 semester hours**  
Techniques in working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**104. CERAMICS II**

**3 semester hours**

A continuation of Art 103, which is a prerequisite. Materials fee: \$10.00.

**111. DESIGN I**

**3 semester hours**

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$5.00.

**112. DESIGN II**

**3 semester hours**

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**113. DRAWING**

**3 semester hours**

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours.

**211. PAINTING: OILS, ACRYLIC I**

**3 semester hours**

Experimental studies in the techniques of painting and composition using various media. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

**212. PAINTING: OIL, ACRYLIC II**

**3 semester hours**

A continuation of Art 211, which is a prerequisite. 1 hour of lecture and 5 studio hours.

**213. PAINTING: WATERCOLOR I**

**3 semester hours**

Experimental studies in the various techniques of painting with watercolor. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

**214. PAINTING: WATERCOLOR II**

**3 semester hours**

A continuation of Art 213, which is a prerequisite.

**221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES**

**3 semester hours**

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 221 is the same as FA 221.)

**223. HISTORY OF ART: RENAISSANCE TO THE PRESENT**

**3 semester hours**

Historical survey of the major visual arts from the Renaissance to the present. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 223 is the same as FA 223.)

**261. ART EDUCATION FOR ELEMENTARY GRADES**

**3 semester hours**

Methods and materials, principles, and fundamentals of art used in the elementary grades. 2 hours of lecture and 1 studio hour. Materials fee: \$5.00.

**311. GRAPHICS I**

**3 semester hours**

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 111. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**312. GRAPHICS II**

**3 semester hours**

A continuation of Art 311, which is a prerequisite. Materials fee: \$10.00.

**491. STUDIO PROBLEMS**

**1, 2, or 3 semester hours**

Individual study and experimentation. Open to students at all levels, with permission of the Art faculty only. Maximum credit allowed toward a degree is 6 semester hours.

## Biology

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House.

*Associate Professors:* Morgan, Rao

*Assistant Professors:* Fields, N. Harris, Plumblee

*Part-time Instructor:* Gallucci

A major in Biology requires Biology 111 and either 221 and 311 or 222 and 342, plus 322, 345, 452, 461, 462, and at least 6 additional semester hours in Biology; Physics 111, 112; Chemistry 111, 112, and 321-322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 plus five additional Biology courses approved for major credit.

### **111. BASIC CONCEPTS IN BIOLOGY**

**4 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. 3 class hours, 1 laboratory per week.

### **201. ENVIRONMENTAL CONSERVATION**

**3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. No credit toward Biology major or minor. Prerequisite: BIO 111.

### **221. GENERAL ZOOLOGY**

**4 semester hours**

A survey of the Animal Kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

### **222. GENERAL BOTANY**

**4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

### **265. HUMAN ANATOMY AND PHYSIOLOGY**

**4 semester hours**

The structure and function of the human body including the cellular, skeletal, muscular, nervous, endocrine, respiratory, circulatory, metabolic, renal and reproductive aspects. 3 class hours, 1 laboratory per week. No credit toward Biology major. Prerequisite: BIO 111 or CHM 111.

### **311. COMPARATIVE VERTEBRATE EMBRYOLOGY**

**4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221.

### **312. COMPARATIVE VERTEBRATE ANATOMY**

**4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 311.

### **321. MICROBIOLOGY**

**4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs are included. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 111, 112.

**322. CELLULAR BIOLOGY**

**4 semester hours**

Ultrastructure of typical eucaryotic and procaryotic cells and the relationship between structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis, and protein synthesis are included. Also discussed are general properties of viruses, control of cellular differentiation, growth and development, and molecular genetics. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 321-322.

**335. FIELD BIOLOGY**

**4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY**

**4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY**

**4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. Offered alternate years. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, CHM 111, 112.

**345. GENETICS**

**4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

**391. RESEARCH**

**1 or 2 semester hours each semester**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY**

**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221, CHM 321, or permission of instructor. Offered alternate Winter Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY**

**4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

**461. SENIOR SEMINAR I**

**1 semester hour**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to senior biology majors or by permission of the instructor.

**462. SENIOR SEMINAR II**

**1 semester hour**

Students write either a scientific research paper or a scientific project proposal using the topic developed in Biology 461 as a foundation. Prerequisite: BIO 461.



## **Business Administration**

*Chairman, Department of Business Administration, Accounting and Office Administration:* Professor Marr

*Professors:* Sanders, Shotzberger

*Associate Professors:* Baxter, Coltrane, Oliver, Tiemann, Toney, Weavil, Crew

*Assistant Professors:* McClellan, Wood, Howren

*Instructor:* McNamee

A major in Business Administration requires Business Administration 311, 321, 323, 328, 343 and 423; Accounting 211, 212 and 336; Computer Information Science (3 semester hours), Economics 211, 212, 246 and 321; Mathematics 111 and 165 (or calculus sequence). In addition the student must complete one of the following emphasis areas: *Management*—Business Administration 325, 412, 426; *Finance*—Business Administration 413, 421, Economics 331; *Marketing*—Business Administration 312, 313, 316. One additional 3 semester hour course must be completed from concentration-related junior-senior level Business Administration, Accounting and/or Economics courses.

A minor in Business Administration requires Business Administration 311, 323; Accounting 211, 212; and Economics 211, 212.

Successful completion of the first two courses of the Real Estate sequence qualifies one to take the North Carolina Salesman Examination.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to the Graduate Catalog available from the Admissions Office.

**111. INTRODUCTION TO ACCOUNTING AND BUSINESS FINANCE** 3 semester hours  
Principal emphases are on simple and compound interest concepts and applications. Various financial accounting concepts are used to introduce the study of basic financial statements.

**302. BUSINESS COMMUNICATIONS** 3 semester hours  
(Same course as OA 302. See OA 302 for description.)

**311. PRINCIPLES OF MARKETING** 3 semester hours  
The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisites: ECO 211, 212.

**312. MARKETING RESEARCH** 3 semester hours  
An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of research findings to the decision-making process of the firm. Prerequisites: BA 311, ECO 246.

**313. ADVERTISING** 3 semester hours  
The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311 or permission of instructor.

**316. MARKETING CHANNELS**

**3 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisite: BA 311 or permission of instructor.

**321. LEGAL ENVIRONMENT OF BUSINESS**

**3 semester hours**

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors.

**322. COMMERCIAL LAW**

**3 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only.

**323. PRINCIPLES OF MANAGEMENT**

**3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

**325. PERSONNEL ADMINISTRATION**

**3 semester hours**

A study of the basic personnel practices, objectives, functions, and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**328. ORGANIZATIONAL BEHAVIOR**

**3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

**341. FINANCIAL INTERMEDIARIES**

**3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisites: ECO 211, 212.

**343. MANAGERIAL FINANCE**

**3 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisites: ACC 211, 212; ECO 211, 212, 246.

**351. FUNDAMENTALS OF REAL ESTATE**

**3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212, ECO 211, 212, or permission of instructor.

**353. REAL ESTATE FINANCE**

**3 semester hours**

A survey of the principles, concepts, and techniques of effective real estate investment. Financing and forms of ownership are significant topics. Various tax provisions are emphasized. Prerequisite: BA 351 or permission of instructor.

**355. REAL ESTATE INVESTMENT**

**3 semester hours**

The course stresses the importance of real estate as an investment vehicle which competes for funds in the market place. Financing and income tax considerations are introduced, and some

computer analysis is used in evaluating potential investments. Prerequisites: BA 351 or 353 or permission of instructor.

**412. OPERATIONS RESEARCH**

**3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisites: ECO 246 and Senior status.

**413. ADVANCED MANAGERIAL FINANCE**

**3 semester hours**

An indepth study of financial management from the perspective of valuation theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing, as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343.

**416. FUNDAMENTALS OF INSURANCE**

**3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bonds, and automobile insurance.

**421. INVESTMENT PRINCIPLES**

**3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisites: ACC 211, 212, ECO 211, 212.

**422. BUSINESS AND SOCIETY**

**3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state, and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**423. BUSINESS POLICY**

**3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decision simulation exercises.

**426. PRODUCTION AND OPERATIONS MANAGEMENT**

**3 semester hours**

Principles of management applied to production systems. Main emphasis is given to: production capacity planning; job design, standards and work measurement; scheduling; quality control; and inventory management. Prerequisites: BA 323, ECO 211, 212, 246.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT**

**3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisites: ACC 211, 212, ECO 211, 212, or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Advanced study consisting of readings, reports, and discussions of special topics. Participation by students, faculty, and other resource persons.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Chemistry

*Chairman, Department of Physical Sciences:* Associate Professor F. Harris  
*Professor:* Danieleley

*Assistant Professor:* Agnew

*Instructor:* Holland

*Part-time Professor:* P. Cheek

*Part-time Assistant Professor:* R. Cheek

A major in Chemistry requires Chemistry 111, 112, 221, 222, 321-322, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112 (or Physics 113, 114); and Computer Information Science 111.

A minor in Chemistry requires Chemistry 111, 112, and twelve semester hours of Chemistry above the 100 level.

### **101. BASIC CONCEPTS IN CHEMISTRY**

**4 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Three class hours, two lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

### **103. BASIC CONCEPTS IN GEOLOGY**

**4 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 2 laboratory hours. No credit toward the Chemistry major or minor.

### **110. INTRODUCTION TO CHEMISTRY**

**3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

### **111, 112. GENERAL CHEMISTRY I AND II**

**4 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry. 3 class hours, 3 laboratory hours.

### **201. ENERGY AND ENVIRONMENT**

**3 semester hours**

A study of energy demands and supplies, the "energy crisis," alternate energy sources, and the environmental issues involved. Prerequisite: Chemistry 101 or 111 or permission of instructor.

### **221. QUANTITATIVE ANALYSIS**

**4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours.

### **222. INORGANIC CHEMISTRY**

**4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours.

### **321-322. ORGANIC CHEMISTRY I AND II**

**4 semester hours each semester**

Chemistry of the compounds of carbon. Aliphatic, aromatic, alicyclic, and heterocyclic compounds are studied as to importance, methods of preparation, electronic structure, chemical



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and physical properties, and industrial and medicinal use. Laboratory work consists of preparation, purification, properties, and qualitative identification of typical compounds. 3 class hours, 3 laboratory hours. A continuous course which must be completed for credit toward a degree.

**361. CHEMICAL LITERATURE****1 semester hour**

Instruction and practice in the use of the literature of chemistry.

**391. INDEPENDENT STUDY****1-2 semester hours**

Library and/or laboratory study by the individual student. Open to students at all levels. Prerequisite: permission of the Chemistry staff. Maximum credit, 8 semester hours.

**401. CHEMISTRY AND SOCIETY****3 semester hours**

Designed to acquaint students with chemistry as a human endeavor pursuing knowledge and working toward improved living conditions. Topics include discoveries which have changed man's way of life, the people who made the discoveries, and the effects on society of significant developments in chemistry. Prerequisite: Any science class or permission of instructor.

**411. PHYSICAL CHEMISTRY****4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours.

**421. INSTRUMENTAL ANALYSIS****4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours.

**425. BIOCHEMISTRY****3 semester hours**

(Same course as BIO 425. See BIO 425 for description.)

**461. SPECIAL TOPICS****1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis, and Analytical Separations. Admission by permission of the department.

**471. Seminar****1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.

## Commercial Leisure and Sports Management

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## Communications

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill.

*Professor:* Bland

*Associate Professor:* Ponder

*Assistant Professors:* R. Nowell, Johnson, Grady

A major in Journalism requires Journalism/Mass Communication 210, 220, 225, 226, 228, 325, 381, 420, plus 15 semester hours (excluding practical experience) of Journalism/Mass Communications courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A major in Mass Communication requires Journalism/Mass Communication 210, 220, 225, 245, 255, 345, 382 and 420; plus 15 semester hours (excluding practical experience) of Journalism/Mass Communication courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A minor in Journalism requires four courses chosen from Journalism/Mass Communication 210, 220, 225, 226, 325; plus 9 semester hours of Journalism/Mass Communication courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Mass Communication practical experience.

A minor in Mass Communication with a concentration in Broadcasting requires four courses chosen from Journalism/Mass Communication 210, 220, 225, 245, 345; plus 9 semester hours of Journalism/Mass Communication courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Mass Communication practical experience.

**101. PARLIAMENTARY PROCEDURE**

**1 semester hour**

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

**210. PUBLIC SPEAKING**

**3 semester hours**

The fundamentals of public speaking: principles in non verbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

**220. INTRODUCTION TO MASS COMMUNICATION**

**3 semester hours**

A survey of the history of mass media—newspapers, magazines, book publishing, films, the recording industry, radio, television and cable—with special emphasis on media as social institutions, economics of the media, and technological developments in media.

**225. REPORTING AND NEWS WRITING**

**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

**226. FEATURE WRITING**

**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JMC 225.

**228. PHOTOJOURNALISM**

**3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed. Prerequisites: Physics 103 or permission of instructor.

**245. RADIO PRODUCTION**

**3 semester hours**

An introduction to broadcasting, including the history, regulation, ethics, physics, and capabilities of radio as a mass medium. Coursework includes scripting, newswriting, announcing, interviewing, and production techniques.

**251. COMMUNICATIONS STUDIES ABROAD**

**3 semester hours**

**255. TELEVISION PRODUCTION**

**3 semester hours**

An introduction to television as a channel of communications, this course examines the history, development, ethics, technology, and aesthetics of teleproduction. A lecture-lab format allows students hands-on experience with the latest video equipment.

**325. NEWS EDITING AND LAYOUT**

**3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JMC 225.

**345. BROADCAST JOURNALISM**

**3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JMC 245.

**355. WRITING FOR TELEVISION**

**3 semester hours**

An advanced writing and productions course allowing students to develop their writing skills in the areas of news, features, sports, commentary, comedy and drama, documentary or docu-drama, and adaptation of books and plays for broadcast. Prerequisite: JMC 345.

**362. A STUDY OF FILMS**

**3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**371. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Specialized topics or issues in Communications. Recent studies included International Communications, Magazine Journalism, Radio Theater, Propaganda and Mass Media, Interpersonal and Group Communication, Broadcast Management, Rock Music and Mass Media.

**381. PRACTICUM IN JOURNALISM**

**1-3 semester hours**

Work experience at an advanced level in some aspect of print journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 225 or permission of instructor.

**382. PRACTICUM IN MASS COMMUNICATION**

**1-3 semester hours**

Work experience at an advanced level in some aspect of broadcast journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 245 or 255 and permission of instructor.

**420. LAW AND ETHICS OF MASS COMMUNICATION**

**3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulation of broadcasting content.

**426. EDITORIAL WRITING**

**3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JMC 225.

**450. CRITICISM OF BOOKS, PLAYS, TELEVISION AND FILMS**

**3 semester hours**

Interpretation and evaluation of current literature and several critical methods with which such works may be approached. Practice in criticism and reviewing.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Computer Information Science

*Chairman, Department of Mathematics and Computer Information Science:* Professor R. Haworth

*Professor:* Francis

*Associate Professors:* Alexander, Eyl

*Assistant Professors:* Carpenter, Plumblee

*Instructors:* Murphy, Richardson, S. McClellan, Shore

A major in Computer Information Science requires 36 semester hours of Computer Information Science courses which include 111, 131, 232, 331, 332, 341, 342, 351, plus 9 semester hours at the 300-400 level (six of which must be at the 400 level), plus additional course(s). Additional requirements are one 3 semester hour course in statistics and Mathematics 111, 112, 121, 221 and 311. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

A minor in Computer Information Science requires Computer Information Science 111, 121, 131, 222 or 232, one 3 semester hour course in statistics, and two additional Computer Information Science courses at the 300-400 level. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

For instructional purposes the College has a DEC 11/34 computer with extensive software. Varieties of microcomputers are also available. Cooperative Education placements in Computer Information Science are available in area and regional businesses and industries.

### **111. INTRODUCTION TO COMPUTERS AND DATA PROCESSING** 3 semester hours

An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flowcharting. The student will study procedures for interactive program execution utilizing the BASIC computer language.

### **121. COBOL PROGRAMMING I** 3 semester hours

An introductory course on the use of computers in business applications utilizing the COBOL programming language. File processing and updating, sorting and merging, reporting, input/output techniques. Elements of structured programming, and modular design techniques. Prerequisites: CIS 111 and MTH 111 or permission of instructor.

### **131. COMPUTER PROGRAMMING AND ALGORITHM DEVELOPMENT I** 3 semester hours

An introduction to problem solving methods and algorithm development. The details of a high level programming language. Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Prerequisites: MTH 111 and CIS 111 or permission of instructor.

### **171. SPECIAL TOPICS** 1-3 semester hours

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages.

### **222. COBOL PROGRAMMING II** 3 semester hours

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: CIS 121.



**232. COMPUTER PROGRAMMING AND ALGORITHM DEVELOPMENT II** 3 semester hours  
A continuation of the development of problem solving methods. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CIS 131.

**260. SPSS** 2 semester hours  
Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisite: 3 semester hours of statistics or permission of instructor.

**315. NUMERICAL ANALYSIS** 3 semester hours  
An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CIS 131 and MTH 311. (CIS 315 is the same as MTH 315.)

**321. SYSTEMS ANALYSIS AND DESIGN** 3 semester hours  
An in depth study of the development, design and implementation of a computer system. Practical approaches to solving business problems through case studies will be incorporated. Prerequisites: CIS 121 and 131.

**322. MANAGEMENT INFORMATION SYSTEMS** 3 semester hours  
An in-depth study of management-oriented information systems: theory and practice. Study of information system impact on organizations and personal life in a computer-oriented society. An integral part of the course is the involvement of students — reading current journals and reporting in class. Prerequisite: CIS 321.

**331. DATA STRUCTURES** 3 semester hours  
Applications of and implementation of algorithms for common data structures. Efficient sort/-merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CIS 232.

**332. FILE PROCESSING** 3 semester hours  
Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CIS 331.

**341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAM I** 3 semester hours  
Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly language programming. Prerequisite: CIS 131.

**342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAM II** 3 semester hours  
Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CIS 341.

**351. DISCRETE STRUCTURES** 3 semester hours  
An introduction to discrete mathematical structures which find applications in computer science. Undirected graphs, trees, directed graphs, formal languages, lattices, Boolean algebras, and combinations. Prerequisites: MTH 311 and CIS 111. (CIS 351 is the same as MTH 351.)

**371. SPECIAL TOPICS** 1-3 semester hours  
Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CIS 222 or 232 or permission of instructor.

**421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE TECHNIQUES** 3 semester hours  
An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CIS 331.

**431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS** 3 semester hours  
Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CIS 332.

**435. ORGANIZATION OF PROGRAMMING LANGUAGES** 3 semester hours  
An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CIS 331.

**441. COMPUTER ARCHITECTURE AND SYSTEMS PROGRAMMING** 3 semester hours  
The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CIS 342.

**471. SEMINAR: SPECIAL TOPICS** 1-3 semester hours  
Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.

**491. INDEPENDENT STUDY** 1-3 semester hours

## Cooperative Education

*Director, Cooperative Education:* Assistant Professor Reinhartsen

The Cooperative Education Program (Co-op) is designed to enable qualified Elon students in selected curricula to combine classroom theory with professional work experience while completing their degrees.

A Co-op student may work either two terms in a full-time job or for a maximum of six terms in a part-time job with an employer selected and/or approved by the College. The student is contacted periodically each term by the co-op faculty coordinator in addition to receiving the employer's supervision.

Credit hours for co-op periods are based on the average number of hours worked per week during the term. Semester credit hours for a part-time or 'Parallel' co-op experience vary from one to three, and a full-time experience awards four credits.

Any students who are enrolled in curricula offering the Cooperative Education Program and have completed a minimum of 50 semester hours are eligible to enter provided they meet the following requirements:

1. have Co-op faculty coordinator's recommendation
2. have a minimum 2.50 GPA in related area
3. complete the classroom course COE-210 — Introduction to Cooperative Education — either prior to or during first work term.
4. have approval from Co-op Director.

Interested students are encouraged to contact the Co-op Office for more information.

**210. INTRODUCTION TO COOPERATIVE EDUCATION**

**1 semester hour**

A study of cooperative work experience education. All phases of the program are reviewed with particular attention devoted to preparing the student for entry into the world of work.

**381-386. CO-OP WORK EXPERIENCE**

**1-4 semester hours**

This series of courses provides the student with either a part-time or full-time work experience. The student learns by applying classroom/lab theory and skills in a job related to the degree major and/or career objectives. Prerequisite: Full admission to the Co-op Program.

## **Cytotechnology**

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Medical Director:* Adjunct Professor Peace

*Program Director:* Flinchum

Elon College offers Bachelor of Science and Associate in Science Programs in Cytotechnology in cooperation with Roche Biomedical Laboratories, Inc., of Burlington. The Cytotechnology Program is designed to meet the needs of students preparing for positions as Cytotechnologists in hospitals, clinics, commercial laboratories, and private physicians' laboratories. The work of the senior year (12 months) is given primarily at Roche Biomedical Laboratories.

The requirements for the Bachelor of Science degree are as follows: Cytotechnology 411, 412, 421, 422, 423, 424, 425, 426, 427, 428, 471, 481, 482, 483, 484, 485, 486; Biology 111, 221, 265, 311, plus 8 semester hours chosen from Biology 321, 322, 341, 345, 425; Chemistry 111, 112, 321-322; and Physics 111 or 112.

A student may be admitted to the cytotechnology courses at Roche Biomedical Laboratories after completing two academic years with a minimum of 64 semester hours specified in the pre-cytotechnology program. These requirements are as follows: Biology 111, 221, 265, plus 4 semester hours chosen from Biology 321, 322, 341, 345, 425; Chemistry 111, 112, 321-322; English 111, 112; Mathematics 111; Physical Education 160; plus courses which meet the General Studies requirements. Students successfully completing the first two years of the academic curriculum plus the 12 month cytotechnology program may elect to receive the Associate in Science degree.

Successful completion of the academic program does not automatically assure admission to the clinical studies since class size at Roche Biomedical Laboratories is limited. Admission is selective with priority given to Bachelor of Science degree candidates.

Students successfully completing the program are eligible to take the registry examination administered by the American Society of Clinical Pathologists (ASCP).

Transfer students who have successfully completed an approved precytotechnology program may enter directly into the Cytotechnology courses at Elon College.

- 411. ELEMENTARY CYTOLOGY** **2 semester hours**  
 General fundamentals of cell structure and embryology as related to the field of cytology. Includes orientation to the field of cytology and the role of the cytotechnologist in health care delivery. Lectures and laboratory.
- 412. CLINICAL MICROSCOPY** **1 semester hour**  
 The care and use of the light microscope. Lectures and laboratory.
- 421. CYTOLOGY AND PATHOLOGY OF THE FEMALE GENITAL SYSTEM** **6 semester hours**  
 Cytology of the female genital tract in health and disease. The study of cells in normal, benign, and malignant stages of development. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 422. CYTOLOGY AND PATHOLOGY OF THE RESPIRATORY SYSTEM** **3 semester hours**  
 Cytology of the respiratory system in health and disease. Study of the cell in normal conditions, in benign and malignant pathological conditions. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 423. CYTOLOGY AND PATHOLOGY OF THE BODY CAVITY FLUIDS** **3 semester hours**  
 Cytology of the pericardial, pleural, and abdominal cavities and cerebral spinal fluid. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 424. CYTOLOGY AND PATHOLOGY OF THE URINARY TRACT AND MALE GENITAL SYSTEM** **2 semester hours**  
 Study of the normal, benign, and malignant cell changes as they occur in health and disease of the urinary tract and male genital system. Prerequisites: CYT 411, 412.
- 425. CYTOLOGY AND PATHOLOGY OF THE ALIMENTARY TRACT** **2 semester hours**  
 Study of the cytology of the alimentary canal in health and disease. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 426. CYTOLOGY AND PATHOLOGY OF THE BREAST** **1 semester hour**  
 Cytology of breast secretion and aspirates. Cell changes resulting from benign diseases and malignant tumors. Lectures and laboratory. Prerequisites: CYT 411, 412.
- 427. SPECIAL METHODS IN CYTOLOGY** **2 semester hours**  
 Endometrial sampling techniques and aspiration biopsy cytology. Prerequisites: All lower numbered Cytology courses. Lectures and laboratory.
- 428. CYTOPREPARATORY TECHNIQUES AND RECORD KEEPING** **2 semester hours**  
 Routine methods in cytology including specimen processing, staining, and record keeping. Lectures and laboratory.
- 471. SEMINAR** **1 semester hour**  
 Literature search and presentations of individual student projects.
- 481. DIAGNOSTIC PRACTICUM I** **1 semester hour**  
 Supervised prescreening of gynecologic tract specimens.
- 482. DIAGNOSTIC PRACTICUM II** **1 semester hour**  
 Supervised prescreening of respiratory tract specimens; continued prescreening of a small number of gynecologic tract cases. Prerequisites: CYT 411, 412, 421, and 481.
- 483. DIAGNOSTIC PRACTICUM III** **2 semester hours**  
 Supervised prescreening of specimens from urinary and alimentary tracts, breast and body cavity fluids, and miscellaneous body sites. Prerequisite: CYT 482.



**484. ADVANCED PRACTICUM I**

**3 semester hours**

Supervised prescreening of undiagnosed gynecologic and nongynecologic specimens with increasing student proficiency requirements. Prerequisite: CYT 483.

**485. ADVANCED PRACTICUM II**

**3 semester hours**

Advanced practice of cytotechnology. Prerequisite: CYT 484.

**486. CYTOPREPARATORY TECHNIQUES II**

**1 semester hour**

Supervised rotation in the cytopreparatory laboratory. Prerequisite: CYT 428.

**Dance**

The Dance program is listed under Fine Arts and Physical Education.

**Drama**

The Drama program is listed under Fine Arts.

**Economics**

*Chairman:* Associate Professor Toney

*Professor:* Shotzberger

*Associate Professors:* Tiemann, Baxter

*Assistant Professors:* R. Williams, Wood, Cottrell

*Instructor:* Beveridge

A major in Economics requires Economics 211, 212, 246, 311, 321, 331, 347, 411, 413, and 6 semester hours of economics electives on the junior-senior level. (Accounting 336 may be substituted for 3 elective hours in economics.) Additional course requirements are: Mathematics 111, 165 (or calculus sequence); Accounting 211, 212; and Business Administration 412.

A minor in Economics requires Economics 211, 212, 311, 413, and 6 semester hours of economics electives.

**211, 212. PRINCIPLES OF ECONOMICS I AND II**

**3 semester hours each semester**

National accounts, employment, fluctuations, money and banking, economic stabilization. Price theory, market structures, distribution theory, international trade.

**246. STATISTICS FOR MANAGEMENT DECISIONS**

**3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 111, 165.

**311. INTERMEDIATE ECONOMIC THEORY**

**3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

**312. COMPARATIVE ECONOMIC SYSTEMS**

**3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

- 313. LABOR ECONOMICS** **3 semester hours**  
 Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.
- 321. MANAGERIAL ECONOMICS** **3 semester hours**  
 Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: ECO 211, 212; MTH 111, 165.
- 331. MONEY AND BANKING** **3 semester hours**  
 Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 211, 212.
- 332. PUBLIC FINANCE** **3 semester hours**  
 A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211, 212.
- 347. STATISTICAL ANALYSIS** **3 semester hours**  
 Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric Tests; Index Numbers and Time Series Analysis, Decision Theory. Prerequisite: ECO 246.
- 411. DEVELOPMENT OF ECONOMIC THOUGHT** **3 semester hours**  
 Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.
- 412. INTERNATIONAL TRADE AND FINANCE** **3 semester hours**  
 A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.
- 413. INTERMEDIATE MACROECONOMIC THEORY** **3 semester hours**  
 National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.
- 471. SEMINAR: SPECIAL TOPICS** **3 semester hours**
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## Education

*Chairman, Department of Education and Psychology:* Professor Brogan  
*Associate Professor:* Simon  
*Assistant Professors:* Harper, Maness, Speas, Wooten

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he

plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Committee on Teacher Education, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina Department of Public Education, and maintain at least a 2.10 grade point average. Failure to maintain a 2.10 grade point average will result in the student being dismissed from the program. In all cases approval is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: The student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. Application forms for the teacher education program are available in the office of the chairman of the Teacher Education Committee and must be filed by October 1 or March 1 of the semester immediately prior to the beginning of the student's junior year.

To be accepted for student teaching the student must be approved by a committee composed of faculty members of the Department of Education, have written approval of the major department, and have and maintain at least a 2.20 grade point average.

Upon completion of quantitative requirements a student must have a 2.20 cumulative grade point average and have met the minimum score requirements (as established by the North Carolina Department of Public Education) on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

### **Requirements for the Elementary Education Major**

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 211, 301, plus one additional 3 semester hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 231; Sociology 111, 112; and one semester hour of Computer Information Science.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 211, 301, plus one additional 3 semester hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 361; Political Science 231; Sociology 111; and one semester hour of Computer Information Science.

### **Requirements for the Middle Grades Education Major**

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 321, 331, 332; Economics 211; English 211; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 231; and Sociology 111. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210; English 111, 112, 211, 250, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and one semester hour of Computer Information Science.

A concentration in *Mathematics* requires Mathematics 111, 112, 160, 261, 262, 265; and Computer Information Science 111.

A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and one semester hour of Computer Information Science.

A concentration in *Science* requires Biology 201; Chemistry 101, 103; Natural Science 162; and Physics 101, 102, and one semester hour of Computer Information Science. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 231.

### **Requirements for the Secondary Education Major**

A major in Secondary Education consists of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 312, 322, 415, subject area materials and methods course (chosen from Education 421-426), 481; Psychology 321, 341; and one of the following major areas: Biology, Business Education (Office Administration), Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for the Special Subject Areas Education Majors**

A major in Special Subject Areas Education (grades K-12) consists of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education 211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Music 461-462); Psychology 321, 331, 341; and one of the following major areas: Music Education or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.



### **Requirements for Minor Fields**

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

#### **211. INTRODUCTION TO EDUCATION 3 semester hours**

A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

#### **281. PRACTICUM PRIOR TO STUDENT TEACHING 1-3 semester hours**

Designed for sophomores and juniors as a pre-student teaching field experience.

#### **311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6 3 semester hours**

The historical development and philosophical bases of public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS 3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **321. READING IN THE ELEMENTARY SCHOOL 3 semester hours**

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school classroom observation required.

#### **322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades) 3 semester hours**

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school classroom observation required.

#### **325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION 3 semester hours**

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Prerequisite: EDU 321 or 322.

#### **411. MATERIALS AND METHODS IN ELEMENTARY GRADES 6 semester hours**

Evaluation and selection of materials and methods used in the organization, planning and teaching of communication skills, social studies, science and mathematics. Prerequisite: EDU 211.

#### **412. MATERIALS AND METHODS IN MIDDLE GRADES 3 semester hours**

Materials and methods used in teaching social studies and one additional area chosen from communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING** **2 semester hours**  
 Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-425, the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211.

**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH** **2 semester hours**  
 A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS** **2 semester hours**  
 A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics.

**423. MATERIALS AND METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION** **2 semester hours**  
 Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE** **2 semester hours**  
 The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline.

**425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES** **2 semester hours**  
 A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation.

**427. MATERIALS AND METHODS OF HEALTH AND SAFETY** **3 semester hours**  
 Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches.

**441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES** **3 semester hours**  
 A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Prerequisite: EDU 211.

**461. SEMINAR IN CLASSROOM ENVIRONMENT** **3 semester hours**  
 A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisites: EDU 211 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

**481. SUPERVISED OBSERVATION AND STUDENT TEACHING** **12 semester hours**  
 Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and

activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 311 or 312, and appropriate methods course(s).

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**English**

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill

*Professors:* Blake, Smith, Bland

*Associate Professors:* J. Berry, Euliss, Ponder, Angyal

*Assistant Professors:* Brittain, Lyday-Lee, Mackay, Maness, Migniuolo, Vanderwerff, P. Haworth, Haskell

*Part-time Instructors:* A. Butler, R. House, Adams, Greene

The major in English requires English 111, 112, 211, 221 or 222, 231, 232, 242 or 360, 243 or 320 or 361, 330 or 331 or 332, 334 or 335, 420 or 431, two courses selected from 250, 351, 352, 353; plus nine hours of electives in English (at least six of which must be on the 300-400 level). In addition to providing a broad range of courses, the English major allows the student to concentrate on one or more of the following areas: British literature, American literature, comparative literature, and the English language.

Students majoring in English for teacher certification are required to take English 111, 112, 211, 221 or 222, 231, 232, 242 or 360, 243 or 320 or 361, 250, 351, 352, 353, 420, plus nine hours of electives in English (at least six of which must be on the 300-400 level); Journalism/Mass Communication 210.

A minor in English requires 18 semester hours of English courses beyond English 111 and 112, at least 9 semester hours of which must be 300-400 level courses.

**100. BASIC WRITING SKILLS**

**3 semester hours**

A course with a lab designed to ensure the student's ability to apply basic grammar, usage and punctuation in writing, to use varied sentence patterns, and to compose well-developed paragraphs. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

**106. READING SKILLS**

**3 semester hours**

Designed to improve reading comprehension, reading speed and vocabulary. Required of all entering freshmen and transfers except those who can demonstrate reading competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

**111. FRESHMAN ENGLISH**

**3 semester hours**

A course in composition emphasizing grammar, sentence clarity, paragraph construction, and patterns of organization for entire essays. A final grade of "C" is prerequisite for registration for English 112.

**112. FRESHMAN COMPOSITION AND RESEARCH METHODS**

**3 semester hours**

A continuation of English 111. A study of composition emphasizing logic and argument with some attention given to development of tone and style in the writing of essays. In addition, prose literature and research methods will be studied. A minimum final grade of "C" is required for graduation. Prerequisite: ENG 111.

**211. INTRODUCTION TO LITERATURE**

**3 semester hours**

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

**221. AMERICAN LITERATURE I**

**3 semester hours**

A survey of American Literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**222. AMERICAN LITERATURE II**

**3 semester hours**

A survey of American Literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**231. ENGLISH LITERATURE I**

**3 semester hours**

A survey of English Literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**232. ENGLISH LITERATURE II**

**3 semester hours**

A survey of English Literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**241. CLASSICAL LITERATURE**

**3 semester hours**

A survey of Greek and Roman myth, drama, epic, and lyrical poetry. Readings will include writers such as Homer, Aeschylus, Sophocles, Euripides, Ovid, Virgil, Catullus, and Horace. Prerequisites: ENG 111, 112.

**242. WORLD LITERATURE I**

**3 semester hours**

A survey of World Literature from the Book of Job through Montaigne in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**243. WORLD LITERATURE II**

**3 semester hours**

A survey of World Literature from Neoclassical to modern writers in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

**250. FUNDAMENTALS OF GRAMMAR**

**3 semester hours**

A study of the traditional description of the English language for the purpose of teaching terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

**251. ENGLISH STUDIES IN BRITAIN**

**3 semester hours**

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

**301. CHILDREN'S LITERATURE**

**3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Mass Communication major, or English minor. Prerequisites: ENG 111, 112, EDU 211.



- 320. LITERATURE OF THE SOUTH** **3 semester hours**  
 A study of Southern literature, its background and themes, with attention given to major twentieth-century writers and to significant contemporaries. Prerequisites: ENG 111, 112.
- 330. CHAUCER** **3 semester hours**  
 A study of Chaucer's major works in the context of their medieval intellectual background; the greater portion of *The Canterbury Tales*, *Troilus and Cressida*, two dream visions and several of the lyrics. Prerequisites: ENG 111, 112.
- 331. SHAKESPEARE** **3 semester hours**  
 The study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.
- 332. MILTON** **3 semester hours**  
 A study of selected works of Milton in poetry and prose in the context of their seventeenth-century background. Prerequisites: ENG 111, 112.
- 334. STUDIES IN THE ROMANTIC PERIOD** **3 semester hours**  
 A study of selected major literary figures of the Romantic period with interpretive and biographical emphases. Topics vary. Prerequisites: ENG 111, 112.
- 335. STUDIES IN THE VICTORIAN PERIOD** **3 semester hours**  
 A study of selected prose and poetry of nineteenth-century England (1832-1900). Included in the study will be Tennyson, Browning, Carlyle, Arnold and others, as well as some characteristics of the period. Prerequisites: ENG 111, 112.
- 351. THE ENGLISH LANGUAGE** **3 semester hours**  
 A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG 111, 112.
- 352. INTRODUCTION TO RHETORIC** **3 semester hours**  
 A study of the resources of language as a vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.
- 353. INTRODUCTION TO LINGUISTICS** **3 semester hours**  
 A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.
- 360. DRAMATIC LITERATURE I** **3 semester hours**  
 A survey of classical, oriental and European drama from the Greek tragedians through French and English Neoclassical playwrights. Prerequisites: ENG 111, 112.
- 361. DRAMATIC LITERATURE II** **3 semester hours**  
 A study of world drama of the nineteenth and twentieth centuries, from Ibsen and Chekhov to the present. Course will include an introduction to critical concepts and vocabulary of the modern theater. Prerequisites: ENG 111, 112.
- 362. A STUDY OF FILMS** **3 semester hours**  
 A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112. (ENG 362 is the same as JMC 362.)
- 365. LITERATURE AND THEOLOGY** **3 semester hours**  
 A study focusing on the relationship between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112. (ENG 365 is the same as REL 365.)

**420. THE AMERICAN NOVEL**

**3 semester hours**

A study of representative types of American novels from the nineteenth century to the present. Prerequisites: ENG 111, 112.

**431. THE BRITISH NOVEL**

**3 semester hours**

A study of representative types of British novels from the eighteenth century to the present. Prerequisites: ENG 111, 112.

**441. POETRY**

**3 semester hours**

A study of the major types of poetry. Prerequisites: ENG 111, 112.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Recurring courses are: Appalachian Mountain Literature; Hemingway and Fitzgerald; Modern Black American Literature; The American West, Contemporary British and American Literature; The Political Novel; Images of Women in Fiction; Myth, Fantasy and Modern Fiction; Types of Love in Literature; Laughter and Comedy; Literature and Social Justice; Science and Human Values; Literature and Economics.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Fine Arts**

*Chairman, Department of Fine Arts:*

*Professors: Artley, J. White*

*Part-time Professor: Westafer*

*Part-time Instructors: Gray, Kerns, Wellford*

A minor in Dance requires 18 semester hours distributed as follows: three courses selected from Fine Arts/Physical Education 103, 104, 112, 113, 114; two courses selected from Fine Arts/Physical Education 201, 202, 203; two semesters of Fine Arts/Physical Education 204; two courses selected from Fine Arts/Physical Education 365, 366, 367; plus 3 semester hours of additional dance courses at the 200 or higher level.

**103. DANCE SURVEY**

**1 semester hour**

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy. (FA 103 is the same as PE 103.)

**104. MODERN DANCE I**

**1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history, the choreography and outstanding modern dance personalities. (FA 104 is the same as PE 104.)

**112. BALLET I**

**1 semester hour**

Study and participation in classical ballet techniques. (FA 112 is the same as PE 112.)

**113. JAZZ DANCE I**

**1 semester hour**

Exploration of the various jazz dance techniques and styles as well as an introduction to the history and choreography of jazz dance. (FA 113 is the same as PE 113.)

**114. DANCE IMPROVISATION**

**1 semester hour**

The study of both spontaneous and learned movements. Individual and group movement exercises include how poetry, the five senses, music, visual art and everyday gestures stimulate and influence dance. (FA 114 is the same as PE 114.)

- 201. MODERN DANCE II** **2 semester hours**  
Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: FA/PE 104 or permission of instructor. (FA 201 is the same as PE 201.)
- 202. BALLET II** **2 semester hours**  
Participation in intermediate level ballet exercises, combinations and study. Prerequisite: FA/PE 112 or permission of instructor. (FA 202 is the same as PE 202.)
- 203. JAZZ DANCE II** **2 semester hours**  
Exploration of the various jazz dance techniques at the intermediate level, in-depth study of the choreographic process, and study of persons and events which have shaped the history of jazz dance. Prerequisite: FA/PE 113 or permission of instructor. (FA 203 is the same as PE 203.)
- 204. DANCE ENSEMBLE** **1 semester hour**  
A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. May be repeated for credit. Prerequisite: FA/PE 104 or 112 or equivalent dance experience. (FA 204 is the same as PE 204.)
- 211. INTRODUCTION TO FINE ARTS** **3 semester hours**  
A comparative study of major artistic styles and movements using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and esthetic values.
- 215. INTRODUCTION TO MUSIC LITERATURE** **3 semester hours**  
(Same course as MUS 215. See MUS 215 for description.)
- 218. HISTORY OF JAZZ** **3 semester hours**  
(Same course as MUS 218. See MUS 218 for description.)
- 221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES** **3 semester hours**  
(Same course as ART 221. See ART 221 for description.)
- 223. HISTORY OF ART: RENAISSANCE TO THE PRESENT** **3 semester hours**  
(Same course as ART 223. See ART 223 for description.)
- 251. FINE ARTS STUDIES IN ENGLAND** **3 semester hours**  
A study-tour in London with emphasis on theaters, concerts and places of cultural importance. Winter Term only.
- 360. INTRODUCTION TO THEATER** **3 semester hours**  
An exploration of the theater as a dynamic art form and how the author, director, actor and designer work together to create the final product.
- 361. THEATER WORKSHOP** **1-3 semester hours**  
A practicum in all aspects of drama production. Students accepted by audition with the production director.
- 363. FUNDAMENTALS OF ACTING** **3 semester hours**  
Designed to teach students to express themselves freely in the theater environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and a sense of the operative theater. Prerequisite: Permission of instructor.
- 364. CHILDREN'S THEATER** **3 semester hours**  
The course emphasizes how to produce and direct plays for young people and develops an understanding of the value and place of children's theater in modern society.

**365. METHODS AND MATERIALS OF DANCE** 3 semester hours  
(Same course as PE 365. See PE 365 for description.)

**366. DANCE CHOREOGRAPHY** 3 semester hours  
Introduces the student to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (FA 366 is the same as PE 366.)

**367. HISTORY OF DANCE** 3 semester hours  
A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical comedy, religious and social dance. (FA 367 is the same as PE 367.)

**368. HISTORY OF AMERICAN MUSICAL THEATER** 3 semester hours  
A survey of the development of musical comedy in America from its origins in 1866 to the present. Major works, composers, lyricists, librettists and choreographers are studied. (FA 368 is the same as MUS 368.)

**421. MUSICAL THEATER WORKSHOP** 3 semester hours  
A practicum in all aspects of musical theater production. Students accepted by audition with the production director. Winter term only.

## Foreign Languages

*Chairman, Department of Literature, Languages and Communications:*  
Associate Professor Gill

*Associate Professor:* W. Rich

*Assistant Professors:* Lunsford, Rodriguez

*Instructors:* Dwyer, Piepke

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in Foreign Languages requires 18 semester hours (or the equivalent) of foreign language instruction. At least 12 of the semester hours must be taken in one language. A student may not receive credit for both the Spanish and the Foreign Language minors.

**FRENCH 101, 102. FOUNDATIONS OF FRENCH** 3 semester hours each semester  
Introduction to the essentials of French grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**FRENCH 111, 112. ELEMENTARY FRENCH** 3 semester hours each semester  
Develops language skills with an emphasis on cultural content and conversational use.

**FRENCH 211, 212. INTERMEDIATE FRENCH** 3 semester hours each semester  
Readings are designed to increase vocabulary and promote cultural discussions. Prerequisites: two units of high school French or FRE 111, 112 or equivalent.

**FRENCH 371. SPECIAL TOPICS** 3 semester hours



**GERMAN 101, 102. FOUNDATIONS OF GERMAN** 3 semester hours each semester  
Introduction to the essentials of German grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**GERMAN 111, 112. ELEMENTARY GERMAN** 3 semester hours each semester  
Develops language skills with an emphasis on cultural content and conversational use.

**GERMAN 211, 212. INTERMEDIATE GERMAN** 3 semester hours each semester  
Readings are designed to increase vocabulary and promote cultural discussions. Prerequisites: two units of high school German or GER 111, 112 or equivalent.

**GREEK 111, 112. ELEMENTARY GREEK** 3 semester hours each semester  
Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

**GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK** 3 semester hours each semester  
Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 101, 102. FOUNDATIONS OF SPANISH** 3 semester hours each semester  
Introduction to the essentials of Spanish grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**SPANISH 111, 112. ELEMENTARY SPANISH** 3 semester hours each semester  
Develops language skills with an emphasis on cultural content and conversational use.

**SPANISH 211, 212. INTERMEDIATE SPANISH** 3 semester hours each semester  
Systematic review of the fundamentals of Spanish, with oral drill, composition, and emphasis on development of reading skills. Prerequisites: two units of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION** 3 semester hours  
Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION** 3 semester hours  
Continued work in conversation with new emphasis in writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I** 3 semester hours  
A chronological survey of the development of the literature of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II** 3 semester hours  
A chronological survey of the literature of Spain during the eighteenth through twentieth centuries. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 341. LATIN-AMERICAN LITERATURE I** 3 semester hours  
The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 342. LATIN-AMERICAN LITERATURE II** 3 semester hours  
A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**SPANISH 491. INDEPENDENT STUDY**

**1-3 semester hours**

## Geography

*Chairman, Department of Social Sciences:* Associate Professor Watts  
*Assistant Professor:* Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 201, and Chemistry 103.

### **121. PHYSICAL GEOGRAPHY**

**3 semester hours**

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

### **131. WORLD REGIONAL GEOGRAPHY**

**3 semester hours**

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

### **311. GEOGRAPHY OF THE UNITED STATES AND CANADA**

**3 semester hours**

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

### **321. GEOGRAPHY OF EUROPE**

**3 semester hours**

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

### **331. GEOGRAPHY OF NORTH CAROLINA**

**3 semester hours**

North Carolina's natural environment, population, political organization, and economy. State-wide patterns and trends are used to define regions of the state.

### **341. URBAN GEOGRAPHY AND PLANNING**

**3 semester hours**

The spatial study of cities. The system of cities and the internal land-use and activity patterns is studied with particular reference to North American patterns. The philosophy, methods and types of urban planning. Offered alternate years.

### **343. ECONOMIC GEOGRAPHY**

**3 semester hours**

A study of the human and environmental influences on the locations of the different types of economic activity and the resulting spatial patterns. Emphasis on location of agricultural and manufacturing production and the distribution of the various land uses within cities. Offered alternate years.

### **491. INDEPENDENT STUDY**

**1-3 semester hours**

## History

*Chairman, Department of Social Sciences:* Associate Professor Watts  
*Professors:* Delp, Moncure, G. Troxler  
*Associate Professors:* Crowe, C. Troxler  
*Assistant Professor:* L. Rich

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from Political

Science; plus 9 semester hours on the junior-senior level from the Social Sciences, Literature, Religion, or from any course in Philosophy, Psychology, or Foreign Language.

History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in History. A minor in American History requires History 211, 212, one seminar in American History, and nine elective hours in United States or Latin American History. A minor in European History requires History 111, 112, one seminar in European or English History, and nine elective hours from European, English, and/or Russian History.

#### **111, 112. HISTORY OF WESTERN CIVILIZATION 3 semester hours each semester**

European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

#### **211, 212. AMERICAN HISTORY 3 semester hours each semester**

American History from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

#### **251. HISTORY STUDIES ABROAD 3 semester hours**

A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

#### **311, 312. HISTORY OF ENGLAND 3 semester hours each semester**

English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

#### **313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS 3 semester hours**

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

#### **314. LATIN AMERICA IN THE TWENTIETH CENTURY 3 semester hours**

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112 or 212 or permission of instructor.

#### **315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD 3 semester hours**

A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

#### **316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD 3 semester hours**

A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

**321. HISTORY OF MODERN CHINA**

**3 semester hours**

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

**341. UNITED STATES FOREIGN POLICY TO 1939**

**3 semester hours**

Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

**342. UNITED STATES FOREIGN POLICY SINCE 1939**

**3 semester hours**

(Same course as PS 342. See PS 342 for description.)

**343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES**

**3 semester hours**

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisites: HST 211, 212 or permission of instructor.

**344. THE SOUTH IN AMERICAN HISTORY**

**3 semester hours**

The civilization of the South from the time the region became conscious of its identity to the present. Particular consideration is given to the effects of the Civil War and Reconstruction, significant political trends, development in agriculture and industry, educational and cultural progress, the Negro, World War II, and the South today. Prerequisites: HST 211, 212 or permission of instructor.

**345. AMERICAN MILITARY HISTORY**

**3 semester hours**

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class, and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

**346. NORTH CAROLINA HISTORY**

**3 semester hours**

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

**348. UNITED STATES SINCE 1933**

**3 semester hours**

Recent American history with emphasis on the political, social and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

**353. EUROPE IN TRANSFORMATION, 1100-1600**

**3 semester hours**

A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

**354. EUROPE 1600-1791**

**3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolutions. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

**355. NINETEENTH CENTURY EUROPE, 1791-1914**

**3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.



**357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT**

**3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA**

**3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789**

**3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisite: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR**

**3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM**

**3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH**

**3 semester hours**

Topics include the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. The course begins with the accession of Henry VII in 1485 and ends with the death of Elizabeth I in 1603. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION**

**3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN APPLIED HISTORY**

**3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered Spring semester.

**491. INDEPENDENT STUDY**

**3 semester hours**

Open only to history majors and minors who have junior or senior standing or by permission of instructor.

## Human Services

*Chairman:* Associate Professor Higgs

*Professor:* Brogan

*Associate Professor:* Granowsky

*Assistant Professors:* P. Kiser, P. Morgan

*Part-time Instructors:* Hadler, R. Kiser

A major in Human Services requires Human Services 211, 212, 333, 351, 381, 411, 412, 413, 481; Psychology 211, 331, 341, 421; Sociology 111, 211, 311; Mathematics 265; and Philosophy 111 or 115 or Religion 241. Additional requirements are 6 semester hours selected from Human Services 231, 241, 324, 345, 431, 435, 471 (topics approved by the department), History 343, Psychology 332 and 441.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the Practicum are available in the office of the Department Chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for Practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship in the Fall Semester must be submitted no later than March 1. Applications for taking the Internship in the Spring Semester must be submitted no later than October 1. A minimum grade point average of 2.20 is required to be eligible for the Block courses — Internship sequence.

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

A minor in Gerontology requires Human Services 211, 241, 324, 345, 351 and 381. The practicum must be taken in a facility or program for the elderly.

### **203. LEADERSHIP**

**2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Counselors.

### **211. INTRODUCTION TO HUMAN SERVICES**

**3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

### **212. METHODS IN HUMAN SERVICES**

**3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

- 231. SOCIAL GROUP WORK** **3 semester hours**  
Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.
- 241. INTRODUCTION TO AGING** **3 semester hours**  
An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.
- 324. LEISURE AND AGING** **3 semester hours**  
(Same course as REC 324. See REC 324 for description.)
- 333. ABNORMAL BEHAVIOR** **3 semester hours**  
An overview of behavior pathology including an historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211. (HUS 333 is the same as PSY 333.)
- 345. ISSUES IN AGING** **3 semester hours**  
Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.
- 351. ADULT DEVELOPMENT** **3 semester hours**  
An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, affective, social and spiritual). Prerequisite: PSY 211. (HUS 351 is the same as PSY 351.)
- 381. PRACTICUM IN HUMAN SERVICES** **3 semester hours**  
Preliminary field experience. Prerequisites: HUS 211, 212.
- 411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES** **3 semester hours**  
Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.
- 412. PROFESSIONAL COMMUNICATION** **3 semester hours**  
An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.
- 413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES** **3 semester hours**  
Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.
- 431. PRINCIPLES OF COUNSELING** **3 semester hours**  
Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.
- 435. FAMILY COUNSELING** **3 semester hours**  
Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.
- 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**
- 481. INTERNSHIP** **6 semester hours**  
This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY****1-3 semester hours****Journalism**

The journalism program is listed under Communications.

**Mathematics**

*Chairman, Department of Mathematics and Computer Information Science:* Professor R. Haworth

*Professor:* Francis

*Associate Professors:* Alexander, Barbee

*Assistant Professors:* Reichard, Speas, Carpenter

*Instructors:* Richardson, Whitaker, Murphy, S. McClellan, Shore

*Part-time Instructors:* C. Holt, Scarlett

A major in Mathematics requires Mathematics 111, 112, 121, 221, 222, 241, 311, 312, 321, 425; 9 additional semester hours of Mathematics at the 300-400 level; 3 semester hours of Computer Information Science; and Physics 113, 114.

For the student planning to teach mathematics required courses are Mathematics 111, 112, 121, 221, 222, 241, 311, 312, 321, 331, 341, 425; 3 semester hours of Computer Information Science; and Physics 111, 112.

A minor in Mathematics requires Mathematics 111, 112, 121, 221, 311, and one additional three semester hour course selected from Computer Information Science, Economics 246, or a Mathematics course numbered 200 or above (excluding 261, 262).

A student may exempt Math 111 and/or 112 by demonstrating proficiency.

**100. INTRODUCTORY ALGEBRA****3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebraic fractions, radicals and applications. This course or a demonstrated competence is required of students. This course is not applicable to general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite.

**111. COLLEGE ALGEBRA****3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

**112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS****3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

**121. CALCULUS AND ANALYTIC GEOMETRY I****3 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions; curve sketching, applications of the derivative. Prerequisite: MTH 111 or competency.

**160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS****3 semester hours**

Topics covered include progressions, matrices and determinants, linear systems, logarithms, permutations, combinations, probability, and the binomial expansion.



**165. APPLIED MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES** 3 semester hours  
Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

**221. CALCULUS AND ANALYTIC GEOMETRY II** 3 semester hours  
The definite integral as the limit of a sum; the fundamental theorem of integral calculus; applications of the definite integral; conic sections; differentiation and integration of transcendental functions. Prerequisites: MTH 112 and 121.

**222. CALCULUS AND ANALYTIC GEOMETRY III** 3 semester hours  
Methods of integration and further applications; parametric equations; polar coordinates; limits and continuity. Prerequisite: MTH 221.

**241. MATHEMATICAL LOGIC** 3 semester hours  
An introduction to symbolic logic and axiomatics. Prerequisite: MTH 111 or permission of department.

**261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS** 3 semester hours each semester  
Primarily a content course open only to those students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.

**265. ELEMENTARY STATISTICS** 3 semester hours  
A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

**311. LINEAR ALGEBRA** 3 semester hours  
An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221.

**312. MODERN ALGEBRA** 3 semester hours  
An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

**315. NUMERICAL ANALYSIS** 3 semester hours  
(Same course as CIS 315. See CIS 315 for description.)

**321. CALCULUS AND ANALYTIC GEOMETRY IV** 3 semester hours  
Indeterminate forms; infinite series; solid analytic geometry; partial differentiation; multiple integration; applications. Prerequisite: MTH 222.

**331. MODERN GEOMETRY** 3 semester hours  
A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

**341. PROBABILITY THEORY AND STATISTICS**

**3 semester hours**

Sample space, combinations, random variables, distributions, central limit theorem. Prerequisite: MTH 221.

**351. DISCRETE STRUCTURES**

**3 semester hours**

(Same course as CIS 351. See CIS 351 for description.)

**421. DIFFERENTIAL EQUATIONS**

**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 222.

**425, 426. ANALYSIS**

**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321 or permission of department.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## Medical Laboratory Technician

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Program Director:* Mroz

*Adjunct Associate Professor and Medical Director:* Powell

*Adjunct Assistant Professors:* Flora, Geyer, Knesel

*Education Coordinator:* Thornton

The medical laboratory technician is able to perform many routine and specialized testing procedures in hospital, commercial and research laboratories throughout the United States. The MLT program at Elon College is a two-year program culminating in an Associate in Science degree. Students successfully completing the program will be eligible to sit for the American Society of Clinical Pathologists (ASCP) or other certification examination. The program is fully accredited by the American Medical Association and is affiliated with Roche Biomedical Laboratories, Inc. and High Point Memorial Hospital.

The Associate in Science degree in Medical Laboratory Technology requires 66 semester hours in the following curriculum: Medical Laboratory Technology 111, 113, 221, 222, 223, 226, 231, 251, 281, 282, 283, 284, 285; Chemistry 111 and Biology 265. MLT students spend 20 weeks in clinical rotations at one or more of the affiliated laboratories. Students also must complete the following General Studies courses: English 111, 112; Mathematics 111 or higher; Physical Education 160.

The College also offers a Bachelor of Science degree in Medical Laboratory Technology for graduates of the MLT program. Requirements are two upper level Biology courses chosen from Biology 311, 312, 321, 322, 341, 345, 425; plus Mathematics 112; Physics 111 or 112; Chemistry 321 and 322; plus

prescribed General Studies requirements for a minimum of 126 semester hours.

The MLT program is open to any interested student enrolling or enrolled at Elon College. There is a competitive screening procedure for the 16 available clinical positions based on academic performance and personal evaluations.

**111. INTRODUCTION TO CLINICAL LABORATORY**

**4 semester hours**

An orientation to medical laboratory technology emphasizing the roles of the MLT in the health care system. Medical terminology, laboratory techniques, mathematics and principles of instrumentation are introduced in both classroom and student laboratories covering clinical chemistry, hematology, immunology, microbiology and urinalysis.

**113. IMMUNOLOGY**

**1 semester hour**

Survey course on the anatomy and physiology of the immune system including non-specific defense mechanisms, branches of immunity, the components (cellular and soluble) and how these relate to disease. Prerequisite: MLT 111 or BIO 111 or permission of instructor.

**221. HEMATOLOGY AND COAGULATION**

**4 semester hours**

Study of the formation, morphology, components and functions of the blood cells and the homeostasis system. Both manual and automated techniques as well as interpretation and classification of disorders of blood and coagulation are stressed. Prerequisites: MLT 111, 113, and 226.

**222. CLINICAL MICROBIOLOGY**

**5 semester hours**

Principles and applications of microbiologic methods and techniques for identification of pathologic organisms are discussed in detail. Includes organisms such as viruses, bacteria, fungi and other molds and both unicellular and multicellular parasites. The use of various growth media and conditions as well as types of specimens are included. Correlation of laboratory data to pathological states caused by these organisms are explained. Prerequisites: MLT 111, 113, 221, 223, 226 and BIO 265.

**223. IMMUNOHEMATOLOGY**

**4 semester hours**

Basic principles and techniques of blood banking and immunologic diagnosis are examined. Includes routine and special blood banking methods and medical correlations of laboratory results. Prerequisites: MLT 111, 113, 221, 226, BIO 265.

**226. URINALYSIS AND BODY FLUIDS**

**2 semester hours**

In-depth examination of the physical, biochemical and microscopic characteristics of urine and other body fluids. Includes detailed discussion of the kidneys and urinary system. Prerequisite: MLT 111.

**231. CLINICAL CHEMISTRY**

**5 semester hours**

The analytical, interpretive and pathological aspects of physiological biochemistry are studied. The principles of instrumentation specifically related to clinical chemistry as well as quality control and preparation of laboratory reagents are included. Prerequisites: MLT 111, 113, 221, 222, 223, 226, BIO 254, CHM 111, and MTH 111.

**251. CLINICAL COMPREHENSIVE**

**2 semester hour**

An intensive review in the areas of blood banking, chemistry, hematology, microbiology and serology/urinalysis as preparation for the national certification examinations. Prerequisites: Completion of an AMA approved MT or MLT program or permission of program director.

**281. URINALYSIS PRACTICUM**

**2 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop and improve technical performance and interpretation of laboratory proce-

dures. Manual and automated procedures as well as quality control and safety are stressed. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**282. MICROBIOLOGY PRACTICUM**

**4 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop and improve isolation, identification and interpretative techniques for bacterial, fungal, parasitic or viral pathogens in humans. Routine and special methods of organism cultivation and differentiation and safety measures are stressed as well. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**283. HEMATOLOGY PRACTICUM**

**4 semester hours**

Practical application of knowledge and skills set in clinical actual laboratory environment in order to develop proficiency in the performance and interpretation of both manual and automated hematologic procedures with minimal supervision and attention to quality control and safety practices. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**284. IMMUNOHEMATOLOGY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills set in clinical actual laboratory environment in order to develop and improve performance of routine and special blood banking procedures, serological procedures and donor phlebotomy with appropriate regard to quality control and safety for patients and medical personnel. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**285. CLINICAL CHEMISTRY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills set in various clinical biochemistry settings in order to develop proficiency in both manual and automated procedures, preparation of specialized reagents and specimens, performing and interpreting routine quality control and patient data with an appropriate regard to safety and minimal supervision. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

## **Military Science**

*Chairman, Department of Military Science:* Assistant Professor Webber

*Assistant Professor:* Jackson

*Instructors:* Browning, Johnson

Elon College, in a cooperative agreement with North Carolina A & T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: Branches of the Army; familiarization with basic



weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

*Advanced Course:* Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

#### **111. INTRODUCTION OF CITIZEN/SOLDIER**

**1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

#### **112. INTRODUCTION TO UNITED STATES MILITARY FORCES IN SUPPORT OF NATIONAL DEFENSE**

**1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

#### **141, 142. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

#### **211. MAP READING SKILL DEVELOPMENT**

**1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

#### **212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES**

**1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

**241, 242. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

**251. ARMY ROTC BASIC CAMP**

**4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army History, Role and Mission, Map Reading/Land Navigation, Rifle Marksmanship, Basic Leadership Techniques, Physical Training/Marches, Individual and Unit Tactics, Communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

**311. LEADERSHIP TRAINING**

**2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

**312. INTRODUCTION TO MILITARY TEAM THEORY**

**2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of each branch of the Army.

**341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

**351. ARMY ROTC ADVANCED CAMP**

**4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

**411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics.

**412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION**

**2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

**441, 442. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill and ceremonies.

**451. AIRBORNE TRAINING**

**3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft flying at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

## Music

*Chairman, Department of Fine Arts:*

*Professors:* Artley, J. White

*Associate Professor:* Bragg

*Assistant Professors:* Goter, Lewis, Ten Eyck, E. Williams, Weinberg

*Part-time Instructors:* Bingenheimer, Jacobson, King, P. Sullivan

### **Requirements for the Major in Music**

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 311, 312, 313, 314, 315, 316, a choice of 411, 412, or 366-367, a minimum of 8 semesters of ensemble (Music 101, 102, 103), aural and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

### **Requirements for the Major in General Music**

A major in General Music for the A.B. degree has the same courses, ensemble, aural/keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

### **Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 314, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), aural and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard

must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### General Regulations

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the Chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

### Applied Music — Individual and Group Instruction

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the Chairman. With permission of the Chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *All students must register for group or individual applied music instruction through the office of the Chairman of the Department of Fine Arts.*

## Applied Music Levels

### Piano:

120, 220, 320, 420

### Organ:

121, 221, 321, 421

### Voice:

122, 222, 322, 422

### Trumpet:

123, 223, 323, 423

### French Horn:

124, 224, 324, 424

### Trombone:

125, 225, 325, 425

### Baritone (Euphonium):

126, 226, 326, 426

### Tuba:

127, 227, 327, 427

### Flute:

128, 228, 328, 428

### Oboe:

129, 229, 329, 429

### Clarinet:

130, 230, 330, 430

### Bassoon:

131, 231, 331, 431

### Saxophone:

132, 232, 332, 432

### Violin

133, 233, 333, 433

### Viola:

134, 234, 334, 434

### Cello:

135, 235, 335, 435

### String Bass:

136, 236, 336, 436

### Guitar:

137, 237, 337, 437

### Percussion:

138, 238, 338, 438



## Applied Music Classes — Group Instruction

**152, 153. VOICE CLASS I & II** **1 semester hour each semester**  
Group voice instruction (beginning and intermediate). Audition required.

**154-157. PIANO CLASS I-IV** **1 semester hour each semester**  
Group piano instruction ranging from beginning to intermediate. Audition required.

**158, 159. DICTION FOR SINGERS** **1 semester hour each semester**  
Required of voice majors.

## Music Materials, Structures and Techniques

**111, 112. THE MATERIALS OF MUSIC I & II** **3 semester hours each semester**  
A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

**113, 114. MUSIC SKILLS LAB I & II** **1 semester hour each semester**  
Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

**211, 212. THE MATERIALS OF MUSIC III & IV** **3 semester hours each semester**  
A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisites: MUS 112, 114.

**213, 214. MUSIC SKILLS LAB III & IV** **1 semester hour each semester**  
Designed to be taken in conjunction with Music 211, 212.

**311. COUNTERPOINT I** **2 semester hours**  
Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisites: MUS 212, 214.

**312. COUNTERPOINT II** **2 semester hours**  
Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

**313, 314. FORM AND ANALYSIS** **2 semester hours each semester**  
Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisites: MUS 212, 214.

**411. INSTRUMENTAL AND CHORAL ARRANGING** **2 semester hours**  
Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisites: MUS 212, 214.

**412. COMPOSITION** **2 semester hours**  
Designed to explore the various approaches to composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisites: MUS 314, 411.

## Literature and History

**215. INTRODUCTION TO MUSIC LITERATURE** **3 semester hours**  
Designed as an overview of the major periods of music, representative composers and their

works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the new music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

**218. HISTORY OF JAZZ** **3 semester hours**  
A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1895. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES** **3 semester hours each semester**  
A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisites: MUS 212, 214. MUS 315 prerequisite for MUS 316.

**368. HISTORY OF AMERICAN MUSICAL THEATER** **3 semester hours**  
(Same course as FA 368. See FA 368 for description.)

## Music Education

**261. MUSIC IN THE ELEMENTARY SCHOOL** **3 semester hours**  
A study for the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

**361. PERCUSSION METHODS** **1 semester hour**

**362. BRASS METHODS** **1 semester hour**

**363. WOODWIND METHODS** **1 semester hour**

**364. CHORAL/VOCAL METHODS** **1 semester hour**

**365. STRING METHODS** **1 semester hour**

**366-367. CONDUCTING** **1 semester hour each semester**  
Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices. Prerequisites: MUS 212, 214.

**461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOL** **3 semester hours each semester**  
A study of methods and materials suitable for the elementary, middle and senior school levels. Prerequisites: MUS 212, 214.

## Ensembles

**101. BAND (open to all students)** **1 semester hour**

**102. CHOIR (open to all students)** **1 semester hour**

**103. ORCHESTRA (by audition)** **1 semester hour**

**104. JAZZ ENSEMBLE (by audition)** **1 semester hour**

**105. CHAMBER SINGERS (by audition)** **1 semester hour**

**106. CHAMBER ENSEMBLE (by audition)**

**1 semester hour**

**Other Offerings**

**251. MUSIC STUDIES IN ENGLAND**

**3 semester hours**

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

**360. METHODS AND MATERIALS OF PIANO PEDAGOGY**

**2 semester hours**

Designed for students interested in teaching piano in a private studio. The course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Small group study under the guidance of a member of the staff.

**481. PRACTICUM IN MUSIC THEATER**

**1-3 semester hours**

A practicum in all aspects of musical theater production. Students accepted by audition with the production director.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**571. INSTRUMENTAL METHODS FOR BAND DIRECTORS**

**2 semester hours**

Offered each summer in conjunction with the College Brass Clinic for junior and senior high school students. Concentrated study in instrumental techniques and the performance of solo and ensemble music under the direction of nationally known technicians. Enrollment limited to junior and senior high school band directors desiring certification renewal credit.

**Natural Science**

*Professor: Danieley*

*Associate Professors: F. Harris, H. House, V. Morgan, Rao*

*Assistant Professors: Fields, Plumblee, N. Harris*

**160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**3 semester hours**

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

**161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**2 semester hours**

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors.

**162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**

**3 semester hours**

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

## Office Administration

*Chairman, Department of Business Administration, Accounting and Office Administration: Professor Marr*

*Associate Professor: Weavil*

A four-year major in Office Administration requires Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 311, 321, 323, 325, 328; Accounting 211, 212; Economics 211, 212; Computer Information Science 111; plus 3 additional semester hours at the 300-400 level chosen from Office Administration, Business Administration, Accounting, Economics, or Computer Information Science.

The requirements for the Associate in Arts degree in Office Administration are: Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 321, 323; English 111, 112; Mathematics 111; Computer Information Science 111; Accounting 211, 212; Economics 211; Physical Education 160; plus electives to reach a minimum of 63 semester hours.

In both the four-year program and the Associate program a student having prior preparation equivalent to Office Administration 111, 112, 113 and/or 114 may substitute electives for these courses by demonstrating proficiency.

A minor in Office Administration requires Office Administration 111, 112, 113, 114, 311, 302 or 321; and Business Administration 323.

### 111. TYPING I

3 semester hours

Designed to develop basic skills in the operation of a typewriter. Course emphasizes the typing of letters, tabulations, office forms, manuscripts. Five class hours per week.

### 112. TYPING II

3 semester hours

Reinforcement of basic skills with continued development of speed and accuracy. Students prepare finished letters, forms, reports, manuscripts, and tabulations. Five class hours per week.

### 113. OFFICE PROCEDURES

3 semester hours

Emphasis is on the professional roles of the administrative assistant in today's business world. Topics include reviewing language arts' skills, processing office mail, utilizing proper telephone techniques, developing interpersonal skills, making travel arrangements, planning and facilitating meetings, and enhancing personal and professional growth.

### 114. WORD PROCESSING APPLICATIONS

3 semester hours

Designed to help students develop proficiency in the following skills: rough draft speed typing and subsequent revisions, keyboarding material from handwritten and rough-draft copy, keyboarding material for storage and retrieval, arranging statistical material, and preparing multiple copies. Prerequisite: OA 112.

**302. BUSINESS COMMUNICATIONS** 3 semester hours Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda. (OA 302 is the same as BA 302.)

### 311. INFORMATION PROCESSING AND MANAGEMENT

3 semester hours

Designed to enable students to understand and apply the techniques and procedures involved in creating, processing, retaining, and distributing information. Topics include machine communication/transcription procedures, records management, reprographics, micrographics, and word processing. Prerequisite: OA 111



**321. ADMINISTRATIVE OFFICE MANAGEMENT**

**3 semester hours**

Study of the critical issues facing administrative office managers in a constantly changing technological environment.

**481. INTERNSHIP IN OFFICE ADMINISTRATION**

**1-3 semester hours**

**Philosophy**

*Chairman:* Assistant Professor Waller

*Professor:* Sullivan

A major in Philosophy requires Philosophy 111, 113, 115, two courses from Philosophy 341, 342, 343, 352, 355; four courses from Philosophy 331, 332, 333, 431, 432; Psychology 211, and 6 semester hours in French, Greek, German or Spanish. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113 and 115, plus 9 semester hours of additional Philosophy courses.

**111. INTRODUCTION TO PHILOSOPHY**

**3 semester hours**

Introduces student to the philosophical approach to an understanding of his world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

**113. LOGIC**

**3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

**115. ETHICS**

**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles to specific solutions in which moral choices are made by individuals and policy-making bodies.

**331. ANCIENT PHILOSOPHY**

**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

**332. MEDIEVAL PHILOSOPHY**

**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

**333. MODERN PHILOSOPHY**

**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

**341. PHILOSOPHY OF LAW**

**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to: human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

**342. PHILOSOPHY AND SOCIETY**

**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st Century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when man himself is the object of investigation.

**343. AGES AND STAGES OF LIFE**

**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

**352. EASTERN PHILOSOPHY**

**3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tsu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III presents the spirit of Zen and its influences on the arts and culture of Japan.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION**

**3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

**431. CONTEMPORARY PHILOSOPHY**

**3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Part I examines British analytical philosophy and considers figures such as Russell, Wittgenstein, Ayer and Austin. Part II focuses on Existentialism and considers figures such as Sartre, Camus, Heidegger and Buber.

**432. AMERICAN PHILOSOPHY**

**3 semester hours**

An examination of the development of the American mentality from the colonial period to the present. Special attention is given to Edwards, Emerson, Dewey and Skinner as representative figures in the development of American culture.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Physical Education and Health**

*Chairman, Department of Health, Physical Education and Recreation:*  
Professor Brown

*Professor:* A. White

*Associate Professor:* Parham

*Assistant Professors:* Beedle, L. Carden, Gaskill, Griffin, Morningstar, Van Dam, Baker, Ballard, Bailey, Jones, Calhoun

*Instructors:* K. Carden, Myers, Bodle

*Part-time Instructors:* Gray, Wellford

A major in Physical Education requires Physical Education 161 or 162, 211, 221, 321, 411, 422; Biology 265, plus completion of at least one of the following three emphasis components:

- (1) Teacher certification for Physical Education requires Physical Education 120, 161 or 162 (one not taken in Core), 263, 310, 360, 363, 365; one

course from Physical Education 342, 343, 344, 345, 347; Physical Education 410 and 423.

For Education and Psychology requirements for teacher certification see the Education Department listing in this catalog.

Students who desire certification in the area of Health Education in addition to Physical Education must complete the following: Physical Education 412, Education 427, Psychology 332, and a student teaching experience that includes both health and physical education.

- (2) Community Recreation requires Recreation 211, 322, 323, 424, 425, 481 (6 semester hours); Business Administration 302; Communications 210; and Physical Education 161 (or 263), 162, 310.
- (3) Commercial Leisure and Sports Management requires Accounting 211, 212; Business Administration 302, 311, 323; Economics 212; Recreation 325, 424; Physical Education 109, 161 (or 263), 162.

A minor in Physical Education with a coaching concentration requires Physical Education 211, 221, 310, 410; two courses from Physical Education 342, 343, 344, 345, 347; and Physical Education 461 (Seminar in Athletic Coaching — 3 semester hours).

A minor with a Physical Education concentration requires Physical Education 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Sports Medicine requires Biology 265, Physical Education 221, 321, 424, and 481 (3 semester hours).

A minor in Dance requires 18 semester hours of Dance courses. Refer to the Fine Arts section of the catalog for specific requirements.

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|--|------------------------|
| <b>100. TENNIS AND BADMINTON</b>   | <b>1 semester hour</b> |
| <b>101. HANDBALL AND RACQUETBALL</b>   | <b>1 semester hour</b> |
| <b>102. ELEMENTARY GYMNASTICS</b>  | <b>1 semester hour</b> |
| <b>103. DANCE SURVEY</b><br>(Same course as FA 103. See FA 103 for description.)   | <b>1 semester hour</b> |
| <b>104. MODERN DANCE I</b><br>(Same course as FA 104. See FA 104 for description.)   | <b>1 semester hour</b> |
| <b>105. GOLF AND ARCHERY</b><br>Laboratory fee \$20.00.  | <b>1 semester hour</b> |
| <b>106. BEGINNING SWIMMING</b><br>Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.  | <b>1 semester hour</b> |
| <b>107. INTERMEDIATE TO ADVANCED SWIMMING</b><br>Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification. | <b>1 semester hour</b> |

- 108. ADVANCED LIFE SAVING AND WATER SAFETY** **1 semester hour**  
Provides knowledge and skill designed to save student's own life or the life of another; not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.
- 109. OVERLOAD CONDITIONING** **1 semester hour**  
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.
- 110. SNOW SKIING — BEGINNER TO ADVANCED** **1-3 semester hours**  
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only.) Extra fees required. (For details, consult Physical Education Department Staff.)
- 112. BALLET I** **1 semester hour**  
(Same course as FA 112. See FA 112 for description.)
- 113. JAZZ DANCE I** **1 semester hour**  
(Same course as FA 113. See FA 113 for description.)
- 114. DANCE IMPROVISATION** **1 semester hour**  
(Same course as FA 114. See FA 114 for description.)
- 116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**  
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. (PE 116 is the same as REC 116.)
- 120. CONTEMPORARY HEALTH PROBLEMS AND PROCEDURES OF PRESENTATION** **3 semester hours**  
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases. Includes methods of presentation of selected topics appropriate for public school students.
- 160. FOUNDATIONS OF PHYSICAL ACTIVITY** **2 semester hours**  
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.
- 161, 162. LIFETIME SPORTS SKILLS LABORATORY** **2 semester hours each semester**  
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only. Laboratory fee \$20.00 for PE 161.
- 201. MODERN DANCE II** **2 semester hours**  
(Same course as FA 201. See FA 201 for description.)
- 202. BALLET II** **2 semester hours**  
(Same course as FA 202. See FA 202 for description.)
- 203. JAZZ DANCE II** **2 semester hours**  
(Same course as FA 203. See FA 203 for description.)
- 204. DANCE ENSEMBLE** **1 semester hour**  
(Same course as FA 204. See FA 204 for description.)
- 208. WATER SAFETY INSTRUCTORS COURSE** **2 semester hours**  
Designed to teach students how to teach others swimming and lifesaving skills and aspects of



First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.

**209. SKIN AND BASIC SCUBA DIVING** **2 semester hours**

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL EDUCATION AND RECREATION** **3 semester hours**

An introductory study in the history of health education, physical education and recreation; philosophical, psychological, physiological, and sociological bases for activity.

**220. FIRST AID (Non-Majors Only)** **3 semester hours**

Emphasis placed upon the use of the Red Cross method of First Aid and CPR training. Opportunities to develop practical skills which simulate application of First Aid procedures to real-life emergencies.

**221. SPORTS MEDICINE/FIRST AID (Majors Only)** **3 semester hours**

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**260. SAFE DRIVING** **3 semester hours**

The principles of teaching basic driving skills, including defensive driving, observation and interpretation of motor vehicle laws, adverse driving conditions, and care and use of the automobile. Classroom instruction and in-car instruction. Laboratory fee.

**263. SPORTS SKILLS LABORATORY** **2 semester hours**

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING** **2 semester hours**

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

**310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING** **3 semester hours**

Emphasis is placed upon qualities of the teacher-coach, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

**321. KINESIOLOGY** **3 semester hours**

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 265.

**342. METHODS OF COACHING FOOTBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

**343. METHODS OF COACHING BASKETBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

**344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL** **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

- 345. METHODS OF COACHING SOCCER AND VOLLEYBALL** **2 semester hours**  
A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.
- 347. METHODS OF COACHING WRESTLING** **2 semester hours**  
A study of appropriate terms, drills, methods, and strategy for coaching wrestling.
- 360. METHODS AND MATERIALS OF EARLY CHILDHOOD PHYSICAL EDUCATION (K-4)** **3 semester hours**  
Designed for early childhood teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.
- 361. METHODS AND MATERIALS OF INTERMEDIATE AND MIDDLE SCHOOL PHYSICAL EDUCATION** **3 semester hours**  
Designed for intermediate and middle school teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.
- 363. METHODS AND MATERIALS OF GYMNASTICS** **2 semester hours**  
A study of gymnastics' teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized.
- 365. METHODS AND MATERIALS OF DANCE** **3 semester hours**  
Fundamental movements, basic rhythmic techniques, and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels. (PE 365 is the same as FA 365.)
- 366. DANCE CHOREOGRAPHY** **3 semester hours**  
(Same course as FA 366. See FA 366 for description.)
- 367. HISTORY OF DANCE** **3 semester hours**  
(Same course as FA 367. See FA 367 for description.)
- 410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS** **3 semester hours**  
A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools and colleges or other appropriate settings. Fall semester only.
- 411. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION** **3 semester hours**  
Includes techniques of the administration of basic motor ability tests, skill tests, and tests of associated and concomitant learnings in physical education and means of utilizing test data for specified purposes.
- 412. CONSUMERISM AND COMMUNITY HEALTH** **3 semester hours**  
An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.
- 422. PHYSIOLOGY OF EXERCISE** **3 semester hours**  
The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 265.
- 423. ADAPTIVE PHYSICAL EDUCATION** **3 semester hours**  
A presentation of the various types of handicapped conditions of children and young adults and

the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

**424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING** **3 semester hours**

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training.

**461. SEMINAR IN ATHLETIC COACHING** **3 semester hours**

Winter Term only.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

**481. INTERNSHIP IN PHYSICAL EDUCATION** **1-6 semester hours**

**491. INDEPENDENT STUDY** **1-3 semester hours**

## Physics

*Chairman, Department of Physical Sciences:* Associate Professor F. Harris  
*Assistant Professor:* Agnew

A major in Physics requires Physics 113, 114, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, 222, 421; Chemistry 111, 112. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 111, 112 (or 113, 114), 201, and three courses chosen from Physics 211, 212, 311 and 312.

**101. BASIC CONCEPTS OF PHYSICS** **4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

**102. FUNDAMENTALS OF ASTRONOMY** **3 semester hours**

A basic course designed to acquaint the non-science major with the many aspects and triumphs of astronomy as a modern science. Lectures, laboratories and trips to nearby facilities. Prerequisite: PHY 101 or permission of instructor. Winter Term only.

**103. FUNDAMENTALS OF PHOTOGRAPHY** **3 semester hours**

A basic course providing an introduction to black and white photography. Topics include use of the adjustable 35 mm single-lens reflex camera, film processing, projection printing, and preparation of the finished mounted print. 2 class hours and 2 laboratory hours per week.

**111, 112. GENERAL PHYSICS I AND II** **4 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. 3 lectures and 1 laboratory session per week. Corequisite: MTH 112.

**113, 114. GENERAL PHYSICS WITH CALCULUS I AND II** **4 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. 3 lecture hours and one laboratory session per week. Corequisite: MTH 221.

**201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION** **3 semester hours**  
 Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours. Prerequisites: PHY 111, 112, 113, 114.

**211, 212. MECHANICS AND HEAT** **3 semester hours each semester**  
 An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 121.

**311, 312. ELECTROMAGNETISM AND OPTICS** **3 semester hours each semester**  
 Fundamental concepts of electromagnetics. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 121.

**391. INDEPENDENT STUDY** **1 or 2 semester hours each semester**  
 Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS** **3 semester hours each semester**  
 First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 222.

**421, 422. ADVANCED LABORATORY** **1 semester hour each semester**  
 Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

## Political Science

*Chairman, Department of Social Sciences: Associate Professor Watts*  
*Associate Professors: Long, Taylor, Zarzar, R. Anderson*

A major in Political Science requires Political Science 111, 231, 471 (Senior Seminar — 3 semester hours), Social Science 312, plus 21 additional hours in Political Science of which 18 hours must be from 300-400 level courses. Other requirements are Computer Information Science 111; Economics 211, 212; History 211, 212; and Mathematics 265.

A minor in Political Science requires Political Science 111, 231, Social Science 312, plus 9 additional hours of Political Science from 300-400 level courses. Students electing to minor in Political Science are urged to concentrate the 9 elective hours in one of the specialized areas of Political Science.

**111. INTRODUCTION TO POLITICAL SYSTEMS** **3 semester hours**  
 A general introduction to the basic concepts of politics and to the nature and functions of political systems and institutions both public and private.

**231. NATIONAL GOVERNMENT IN THE UNITED STATES** **3 semester hours**  
 A study of the structure and functioning of the national government, including its constitutional basis; the system of separation of powers, checks and balances, operation of the executive, legislative, and judicial branches.



- 232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES** 3 semester hours  
A study of the structure and functioning of the state and local government and its role within the federal system.
- 241. INTERNATIONAL RELATIONS** 3 semester hours  
A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.
- 331. COMPARATIVE EUROPEAN GOVERNMENTS** 3 semester hours  
A comparative study of major European political systems. Prerequisite: Junior or senior standing or by permission of instructor.
- 332. POLITICS AND GOVERNMENTS OF THE MIDDLE EAST** 3 semester hours  
A synthesizing review of the forces and problems affecting contemporary politics and governments of the Middle East. It emphasizes the contrasts between democratic and authoritarian forms of governments. Prerequisite: Junior or senior standing or by permission of instructor.
- 341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours  
(Same course as HST 341. See HST 341 for description.)
- 342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours  
A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)
- 345. DIPLOMATIC PRACTICES** 3 semester hours  
Knowledge and practical experience of the observational, analytical and decision-making skills associated with the formulation and practice of diplomacy. Readings, film strips, role playing, lectures, and classroom simulations are some of the instructional techniques. Prerequisites: HST 211, 212 or permission of instructor.
- 352. INTRODUCTION TO POLITICAL THEORY** 3 semester hours  
A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of instructor.
- 353. MODERN POLITICAL THOUGHT** 3 semester hours  
A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.
- 356. DEMOCRACY AND TOTALITARIANISM** 3 semester hours  
An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.
- 361. SEMINAR: THE MULTINATIONAL CORPORATION IN DOMESTIC AND INTERNATIONAL POLITICS** 3 semester hours  
A seminar which examines the impact of big business on American and international politics. Emphasis is given to ways and means of dealing with problems generated by corporate giantism. Prerequisite: Junior or senior standing or by permission of instructor.
- 365. SEMINAR: THE PRESIDENT, CONGRESS AND PUBLIC POLICY** 3 semester hours  
A seminar which investigates the formulation and implementation of public policy in the United States, with emphasis on the roles of the President, Congress, and the public in the policy process. Prerequisite: PS 231 or by permission of instructor.

**420. WORKSHOP IN POLITICS**

**3 semester hours**

Personal experience in the political system of the U.S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

**441. WAR, PEACE AND CONFLICT RESOLUTION**

**3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

**481. INTERNSHIP IN POLITICAL SCIENCE**

**1-3 semester hours**

Prerequisites: 6 semester hours from PS 111, 211 and 231.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Psychology**

*Chairman, Department of Education and Psychology: Professor Brogan*

*Associate Professors: Granowsky, Simon, Higgs*

*Assistant Professors: Harper, P. Kiser, Soliday, Pickens*

A major in Psychology requires Psychology 211, 331, 341, 351, 432, 471 (3 semester hours, topics approved by the department); and Mathematics 265 or Sociology 212. Additional requirements are 18 semester hours chosen from the following: Psychology 231, 311, 321, 332, 333, 411, 421, 481, Human Services 431, and Philosophy 343.

A minor in Psychology requires Psychology 211, 321, 331, 332; Mathematics 265 or Sociology 212; plus 6 semester hours selected from the following: Psychology courses, Human Services 431; and Philosophy 343.

**211. GENERAL PSYCHOLOGY**

**3 semester hours**

An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.

**231. SOCIAL PSYCHOLOGY**

**3 semester hours**

(Same course as SOC 231. See SOC 231 for description.)

**311. PSYCHOLOGY OF ADJUSTMENT**

**3 semester hours**

An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.

**321. EDUCATIONAL PSYCHOLOGY**

**3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence; motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisite: PSY 211.

**331. PSYCHOLOGY OF CHILDHOOD**

**3 semester hours**

The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child through the middle school. Prerequisite: PSY 211.

**332. PSYCHOLOGY OF EXCEPTIONALITY**

**3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. An internship in a local school is required. Prerequisite: PSY 211.

**333. ABNORMAL BEHAVIOR**

**3 semester hours**

(Same course as HUS 333. See HUS 333 for description.)

**341. PSYCHOLOGY OF ADOLESCENCE**

**3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality. Prerequisite: PSY 211.

**351. ADULT DEVELOPMENT**

**3 semester hours**

(Same course as HUS 351. See HUS 351 for description.)

**411. PSYCHOLOGICAL MEASUREMENT**

**3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**421. THEORIES OF PERSONALITY**

**3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY**

**3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisites: PSY 211 and permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## Public Administration

*Chairman, Department of Social Sciences: Associate Professor Watts*  
*Associate Professor: Taylor*

A major in Public Administration requires Public Administration 211, 212, 311, 431, 471 (Senior Seminar - 3 semester hours); Political Science 231, 232; Social Science 312; Accounting 211; Business Administration 111; Economics 211, 212; and Computer Information Science 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; Communications 210; Geography 341; Economics 313, 321, 332; Business Administration 323, 325, 328; Recreation 322, 424, 425; and Political Science 361, 365, 420.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 231; and Business Administration 323 and 325.

- 211. INTRODUCTION TO PUBLIC ADMINISTRATION** **3 semester hours**  
 A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.
- 311. ADMINISTRATION OF PUBLIC POLICIES** **3 semester hours**  
 A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.
- 351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION** **3 semester hours**  
 A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.
- 431. POLICY ANALYSIS AND PROGRAM EVALUATION** **3 semester hours**  
 An examination of two aspects of the policy process for the decision-maker; Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives, and the effects created by the program. Prerequisite: PA 211.
- 471. SEMINAR: SPECIAL TOPICS** **3 semester hours**  
 Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.
- 481. INTERNSHIP IN PUBLIC ADMINISTRATION** **1-6 semester hours**  
 Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.
- 491. INDEPENDENT STUDY** **1-3 semester hours**

## Radio Broadcasting

The Radio Broadcasting program is listed under Communications.

## Radiologic Technology

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House.

*Coordinator:* Associate Professor Rao

The requirements for the Bachelor of Applied Science in Radiologic Technology consist of (1) completion of a 24-month, A.M.A. approved program in Radiologic Technology; (2) completion of the general studies requirements; (3) one full academic year of study at Elon; and (4) completion of the following specific course requirements: Biology 111, 265, Chemistry 101, Physics 101, Psychology 211. The student has the option of completing the clinical phase of the program either before or after completion of the course requirements at Elon. If the program is initiated at Elon, the College will provide assistance for the student in locating and gaining admission to an approved clinical program. Students who complete the clinical phase of the program first may be given credit for Biology 265. The degree normally requires two years at Elon in addition to the 24-month A.M.A. approved program.



## Recreation

*Chairman, Department of Health, Physical Education and Recreation:*  
Professor Brown

*Professor:* A. White

*Assistant Professors:* Beedle, Gaskill, Calhoun

Community Recreation is one of the emphasis options for the Physical Education major. Please refer to the Physical Education and Health section of this catalog for the requirements.

A minor in Recreation requires Recreation 211, 322, 323, 424, and Physical Education 221 and 481 (3 semester hours).

### **116. OUTWARD BOUND EXPERIENCE**

**1-3 semester hours**

(Same course as PE 116. See PE 116 for description.)

### **211. INTRODUCTION TO COMMUNITY RECREATION**

**3 semester hours**

A study of the nature and history of leisure, play and recreation as they relate to contemporary community recreation services.

### **322. RECREATION LEADERSHIP AND PROGRAMMING**

**3 semester hours**

Emphasis on the leadership and group dynamics processes as they pertain to the professional recreation setting; principles and approaches to recreational programming. Spring semester only.

### **323. RECREATION SERVICES FOR SPECIAL POPULATIONS**

**3 semester hours**

The study of the historical and societal factors affecting the present status, care, treatment and recreation of the mentally and physically handicapped in the United States. Fall semester only.

### **324. LEISURE AND AGING**

**3 semester hours**

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (REC 324 is the same as HUS 324.)

### **325. COMMERCIAL LEISURE MANAGEMENT**

**3 semester hours**

An in-depth study of the history, development and current status of the commercial leisure and tourism industry in the U.S. Survey of the development and operation of commercial goods and services offered in the leisure market.

### **424. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION**

**3 semester hours**

Designed to provide a thorough study of the background, organization and principles of the public recreation administration process. Fall semester only.

### **425. OUTDOOR RECREATION SERVICES**

**3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized. Spring semester only.

### **471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

### **481. INTERNSHIP IN RECREATION**

**1-6 semester hours**

This course is designed to give practical experience in community recreation, YMCA or commercial leisure establishments.

## Religion

*Chairman, Department of Religion:* Associate Professor Pace  
*Professor:* C. White

*Associate Professors:* Chase, W. Rich

*Assistant Professors:* Loftin, McBride

*Part-time Instructor:* Montgomery

A major in Religion requires Religion 111, 112, 241, 252, 461, plus 21 semester hours of additional Religion courses. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

### **111. INTRODUCTION TO THE OLD TESTAMENT** **3 semester hours**

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

### **112. INTRODUCTION TO THE NEW TESTAMENT** **3 semester hours**

The rise and development of Christianity and its literature.

### **215. RELIGIOUS THINKING** **3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

### **241. RELIGIOUS VALUES AND DECISION MAKING** **3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

### **251. RELIGION STUDIES ABROAD** **3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

### **252. WORLD RELIGIONS** **3 semester hours**

The origin and historical development of selected religious traditions.

### **321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST** **3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

### **322. OLD TESTAMENT PROPHETS** **3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

### **324. THE INTERTESTAMENTAL PERIOD** **3 semester hours**

The historical situation and environment from which early Christianity emerged; developments in Hellenism and Judaism; the period of the Maccabees; religious ideas and institutions of the pre-Christian era. Prerequisite: Junior or senior status, or permission of instructor.

### **326. THE WRITINGS OF PAUL** **3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

**327. THE GOSPEL OF JOHN**

**3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

**328. THE SYNOPTIC GOSPELS**

**3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

**334. MODERN RELIGIOUS THINKERS**

**3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

**341. CHRISTIAN ETHICS**

**3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

**345. THEOLOGY OF HUMAN LIBERATION**

**3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION**

**3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY**

**3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

**461. SENIOR SEMINAR**

**3 semester hours**

A year long seminar which investigates a topic in religious studies selected by participants. Faculty and student papers provide focal points of discussion. Intended for majors: others by permission. Prerequisite: Twelve hours of religion, junior/senior status.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## Science Education

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

### Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103 and Physics 102.

**Biology** 111, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 221, 321, 322, 411

**Physics** 111, 112, 201, 211, 212, 311, 312 or 411

### Secondary Science Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103, and Physics 102.

**Biology** 111, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 221, 321, 322, 411

**Physics** 111, 112, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Science 111.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

### Social Science

*Chairman, Department of Social Sciences:* Associate Professor Watts

*Professors:* Delp, Moncure, G. Troxler

*Associate Professors:* Crowe, T. Henricks, Long, Toney, C. Troxler, Taylor, Zarzar

*Assistant Professors:* Basirico, Cates, Arcaro

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 111 or 241, 231; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 111 or 241, 231; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

#### 312. RESEARCH METHODS

**3 semester hours**

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

### Sociology

*Chairman, Department of Social Sciences:* Associate Professor Watts

*Associate Professor:* T. Henricks

*Assistant Professors:* Basirico, Arcaro

A major in Sociology requires Sociology 111, 311, 351, plus 18 semester hours of additional Sociology courses; Computer Information Science 111; Mathematics 265; Social Science 312; and 6 semester hours selected from



History 343, Human Services 231, Philosophy 113 and 342, and Psychology 211.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses and/or Philosophy 342.

**111. INTRODUCTORY SOCIOLOGY**

**3 semester hours**

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

**112. ANTHROPOLOGY**

**3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

**211. SOCIAL PROBLEMS**

**3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

**231. SOCIAL PSYCHOLOGY**

**3 semester hours**

An examination of the ways in which individuals are influenced by their relationships with others in society. The course considers the difference between humans and animals, the origins and development of the self-concept, the formation of attitudes and factors causing them to change, affiliation, aggression, altruism, and group dynamics. Prerequisite: SOC 111. (SOC 231 is the same as PSY 231.)

**311. THE FAMILY**

**3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

**313. CRIME AND DELINQUENCY**

**3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

**321. CULTURAL ANTHROPOLOGY**

**3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

**333. SOCIAL STRATIFICATION**

**3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

**341. ETHNIC AND RACE RELATIONS**

**3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

**343. SOCIAL AND CULTURAL CHANGE**

**3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

**344. SOCIAL DEVIANCE**

**3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

**351. SOCIOLOGICAL THEORY**

**3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**Television**

The Television program is listed under Communications.



# Directory and Appendices

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### Terms Expiring May 31, 1987

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W. Millard Stevens, D.D., *Burlington, N.C.*  
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### Terms Expiring May 31, 1988

Nancy Newman Fulgham, *Suffolk, Va.*  
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J. E. Rawls, Jr., M.D., *Suffolk, Va.*  
A. G. Thompson, *Lincolnton, N.C.*

### **Terms Expiring May 31, 1989**

Wallace L. Chandler, J.D., D.C.S., *Richmond, Va.*  
Joseph M. Copeland, *Portsmouth, Va.*  
John Robert Kernodle, M.D., *Burlington, N.C.*  
Ernest A. Koury, Sr., *Burlington, N.C.*  
G. Melvin Palmer, Ed.D., *Greensboro, N.C.*  
David E. Pardue, Jr., *Burlington, N.C.*  
Emily Harris Preyer, *Greensboro, N.C.*  
Ralph H. Scott, LL.D., *Burlington, N.C.*  
C. Max Ward, *Burlington, N.C.*

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Rex G. Powell, D.C.S., *Trustee Emeritus*  
J. Harold Smith, *Trustee Emeritus*

### **Faculty, 1984-1985**

Jerome R. Adams, 1984\*, *Part-time Assistant Professor of English*  
A.B., Ph.D., *University of North Carolina*  
Jimmie D. Agnew, 1985, *Part-time Assistant Professor of Chemistry*  
B.A., *George Washington University*; M.S.S.T., Ph.D., *The American University*  
Mark R. Albertson, 1980, *Assistant Professor; Registrar*  
B.B.A., *Fort Lauderdale University*  
J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
B.S., M.A., *Appalachian State University*; M.S., *New Mexico State University*  
Ralph V. Anderson, 1963, *Part-time Professor of Economics*  
B.S., *Ferris Institute*; M.S., *University of Tennessee*; B.D., *Northern Baptist Theological Seminary*; Ph.D., *University of North Carolina*  
Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science; College Planning Officer*  
B.A., *St. Andrews Presbyterian College*; M.A., Ph.D. candidate, *American University*

\*Year of appointment



- Andrew J. Angyal, 1976, *Assistant Professor of English*  
B.A., Queens College, CUNY; M.A., Yale University; Ph.D., Duke University
- Malvin N. Artley, 1963, *Professor of Music*  
B.Mus., Shenandoah Conservatory of Music; M.Mus., Cincinnati Conservatory; D.F.A. Chicago Musical College, Roosevelt University
- Robert A. Bailey, 1984, *Instructor in Physical Education and Health; Assistant Football Coach*  
B.S., M.A.Ed., East Carolina University
- Martin H. Baker, 1980, *Assistant Professor of Physical Education and Health; Athletic Trainer*  
B.S., SUNY at Brockport; M.S., Indiana State University
- Steven J. Ballard, 1977, *Assistant Professor of Physical Education and Health; Soccer Coach; Sports Information Director*  
B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Assistant Professor of Sociology*  
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
A.B., Elon College; J.D., Duke University
- Barry B. Beedle, 1978, *Assistant Professor of Physical Education and Health*  
B.S., M.S., Mississippi State University; Ed.D., University of Mississippi
- Joe Belk, 1975, *Part-time Clinician in Music*  
A.B., Miami University of Ohio
- Bertie S. Belvin, 1983, *Assistant Professor; Director of Financial Planning*  
B.S., M.A., Virginia Polytechnic Institute and State University
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
A.B., Elon College; M.A., University of North Carolina
- Elaine H. Bingenheimer, 1983, *Part-time Instructor in Music; Director, Piano Preparatory Program*  
B.Mus., University of North Carolina; M.Mus., Southern Methodist University
- Robert G. Blake, 1968, *William S. Long Professor of English*  
A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Associate Professor of English*  
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro

- David L. Bodle, 1985, *Instructor in Physical Education and Health; Assistant Football Coach*  
B.S., Penn State University; M.Ed., University of Georgia
- David A. Bragg, 1970, *Associate Professor of Music*  
B.S., Concord College; M.M.E., Ph.D., Florida State University
- Mary Lou G. Brittain, 1976, *Assistant Professor of English*  
B.A., M.A., Ph.D., University of North Carolina at Greensboro
- Herman Brock, 1984, *Assistant Professor of Accounting*  
B.S., M.S., Roosevelt University; C.P.A.
- Wesley B. Brogan, 1979, *Associate Professor of Education and Human Services; Chairman, Department of Education and Psychology*  
A.B., Dickinson College; M.Div., Duke University; M.Ed., Ph.D., University of North Carolina
- Janie P. Brown, 1967, *Professor of Physical Education and Health; Chairman, Department of Health, Physical Education and Recreation*  
B.S., Wake Forest University; M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- Ann S. Butler, 1979, *Part-time Instructor in English*  
A.B., M.Ed., University of North Carolina at Greensboro
- W. E. Butler, Jr., 1946, *Associate Professor; Assistant Treasurer*  
A.B., Elon College; Graduate Studies, University of North Carolina, C.P.M.
- Karen R. Carden, 1979, *Instructor in Physical Education; Director of Intramural Athletics; Women's Volleyball Coach; Women's Tennis Coach*  
A.B., Elon College; M.Ed., University of North Carolina at Greensboro
- Lonnie Mack Carden, 1977, *Assistant Professor of Physical Education and Health; Head Football Coach*  
A.B., Elon College; M.A., Appalachian State University
- Fleta H. Carmen, 1983, *Part-time Instructor in Office Administration*  
B.S., Appalachian State University; M.S.B.E., University of North Carolina at Greensboro
- J. Albert Carpenter, 1983, *Instructor in Computer Information Science and Mathematics*  
A.A., Montgomery College; B.S., University of Maryland; M.S., Graduate Studies, University of Tennessee
- D. Brooks Cates, 1964, *Assistant Professor of Geography*  
A.B., University of North Carolina; M.A., East Carolina University; Ph.D., University of North Carolina
- Carole F. Chase, 1976, *Associate Professor of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
- Paul H. Cheek, 1950, *L. L. Vaughan Professor of Chemistry*  
B.S., Wake Forest University; Ph.D., University of North Carolina

- Ruth L. Cheek, 1964, *Part-time Assistant Professor of Chemistry*  
A.B., M.A., University of North Carolina
- Terrell W. Cofield, 1968, *Assistant Professor of Music*  
B.Mus., Rollins College; M.Mus., University of North Carolina; Study with  
Maestro Luigi Ricci, Teatro dell 'Opera, Rome, Italy
- George A. Coltrane, 1984, *Associate Professor of Accounting and Business  
Administration*  
A.B., J.D., Duke University; C.P.A.
- David M. Crowe, Jr., 1977, *Associate Professor of History*  
B.A., Southeastern Louisiana College; M.A., Mississippi State University;  
Ph.D., The University of Georgia
- Edwin L. Daniel, 1963, *Associate Professor of Art*  
A.B., Elon College; B.F.A., Abbott School of Fine and Commercial Art;  
M.F.A., University of North Carolina; Virginia Commonwealth University;  
Roanoke Fine Arts Center, University of Virginia Extension
- J. Earl Danieleley, 1946, *Thomas E. Powell, Jr., Professor of Chemistry*  
A.B., Elon College; M.A., Ph.D., University of North Carolina; Postdoctoral  
Study, The Johns Hopkins University; Sc.D., Catawba College; LL.D.,  
Campbell College
- Paul D. Deane, 1984, *Part-time Instructor in English*  
B.A., University of North Carolina; M.A., Ph.D. candidate, University of  
Chicago
- Robert W. Delp, 1968, *Professor of History*  
B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A.,  
Ph.D., The George Washington University; Duke University
- Diana S. Dwyer, 1984, *Instructor in Foreign Languages*  
B.A., Saint Joseph College, Connecticut; M.A., University of North  
Carolina
- Helen H. Euliss, 1969, *Associate Professor of English*  
B.S., Appalachian State University; M.A., Graduate Studies, University of  
North Carolina
- Hugh M. Fields, 1970, *Assistant Professor of Biology*  
B.S., M.S., North Carolina State University; Graduate Studies, University of  
North Carolina at Greensboro
- Betty G. Flinchum, 1980, *Instructor in Cytotechnology; Program Director,  
Cytotechnology*  
A.B., M.F.A., University of North Carolina at Greensboro
- Gerald F. Francis, 1974, *Professor of Mathematics and Computer Information  
Science; Dean of Academic Affairs*  
B.S., M.A., Appalachian State University; Ph.D., Virginia Polytechnic Insti-  
tute and State University

- Kathleen K. Gallucci, 1984, *Part-time Instructor in Biology; Coordinator of Freshman Biology Labs*  
B.S., Le Moyne College; M.S., University of North Carolina
- Paul L. Gaskill, 1978, *Assistant Professor of Recreation Administration*  
A.A., Montgomery County Community College; B.S., The Pennsylvania State University; M.S., University of North Carolina; Ed.D., University of North Carolina at Greensboro
- Donald B. Gibson, Jr., 1984, *Associate Professor of Music; Chairman, Department of Fine Arts*  
B.Mus., M.Mus., Duquesne University; Ph.D., Florida State University
- Gerald M. Gibson, 1979, *Assistant Professor of Communications*  
B.A., North Carolina State University; M.A., University of North Carolina at Greensboro
- Russell B. Gill, 1976, *Associate Professor of English; Chairman, Department of Literature, Languages and Communications*  
A.B., College of William and Mary; M.A., Ph.D., Harvard University
- James H. Glenn, 1978, *Assistant Professor of Music*  
B.A., Luther College; M.A., Occidental College; Ph.D., University of Oklahoma
- Arlene Goter, 1983, *Assistant Professor of Music*  
B.Mus., M.Mus., D.Mus., Indiana University
- Seena A. Granowsky, 1975, *Associate Professor of Psychology and Human Services*  
B.S., Tufts University; M.S., Vassar College; Ed.D., Duke University
- Patricia J. Gray, 1980, *Part-time Instructor in Physical Education and Fine Arts*  
B.S., M.F.A., University of North Carolina at Greensboro
- Ronald W. Greene, 1984, *Part-time Instructor in English*  
B.A., University of North Carolina; M.A., Western Carolina University; Graduate Studies, University of North Carolina at Greensboro
- Charles A. Griffin, 1983, *Assistant Professor of Physical Education and Health; Assistant Football Coach; Assistant Track Coach*  
A.A., Catonsville Community College; B.S., Frostburg State College; M.A., University of Maryland
- Kenneth L. Harper, 1970, *Assistant Professor of Education*  
A.B., Elon College; M.Ed., University of North Carolina; Graduate Studies, Duke University; Ed.D. candidate, University of North Carolina at Greensboro
- E. Franklin Harris, 1967, *Associate Professor of Physics; Chairman, Department of Physical Sciences*  
A.B., Elon College; M.A., Wake Forest University; Ph.D., University of North Carolina



- Nancy E. Harris, 1981, *Assistant Professor of Biology*  
B.S., University of North Carolina; B.S., Ph.D., North Carolina State University
- Priscilla L. Haworth, 1975, *Instructor in English; Public and Tutorial Services Coordinator*  
B.S., M.A., Appalachian State University; Virginia Polytechnic Institute and State University; University of Virginia
- Richard C. Haworth, 1974, *Associate Professor of Mathematics; Chairman, Department of Mathematics and Computer Information Science*  
B.S., Wake Forest University; M.A.T., Duke University; M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
- Judy S. Henricks, 1980, *Part-time Instructor in Art*  
B.A., University of Illinois; M.F.A., University of North Carolina at Greensboro
- Thomas S. Henricks, 1977, *Associate Professor of Sociology*  
B.A., North Central College; M.A., Ph.D., University of Chicago
- Howard R. Higgs, 1977, *Assistant Professor of Human Services; Chairman, Department of Human Services*  
B.A., Greensboro College; M.A., Ph.D., University of North Carolina at Greensboro
- Vicki V. Hightower, 1981, *Assistant Professor of Computer Information Science and Mathematics*  
B.S., M.A.T., Michigan State University; M.S., University of Evansville
- William L. Hightower, 1981, *Associate Professor of Computer Information Science and Mathematics*  
B.A., Kalamazoo College; M.S., Ph.D., Graduate Studies, Michigan State University
- Kevin Bryant Holland, 1983, *Instructor in Chemistry*  
A.B., Elon College; M.S., University of North Carolina at Greensboro; Graduate Studies, University of Denver, Colorado State University
- Cheryl T. Holt, 1976, *Part-time Instructor in Mathematics*  
A.B., Elon College
- Herbert W. House, Jr., 1977, *Associate Professor of Biology; Chairman, Department of Biology and Allied Health*  
B.S., Wake Forest University; M.S., Ph.D., University of South Carolina
- Rebecca O. House, 1978, *Part-time Instructor in English*  
B.A., Meredith College; M.Ed., University of North Carolina
- Hornsby Howell, Jr., 1983, *Instructor in Physical Education; Assistant Football Coach, Assistant Track Coach; Coordinator of Athletic Advising*  
B.S., North Carolina A. & T. University; M.Ed., South Carolina State College

- Michael P. Hudson, Jr., 1982, *Part-time Instructor in Computer Information Science*  
A.B., Elon College; M.B.A., University of North Carolina at Greensboro
- Mary F. Jackson, 1975, *Assistant Professor of Physical Education and Health; Women's Basketball Coach; Women's Softball Coach*  
B.S., Norfolk College of William and Mary; M.Ed., University of Virginia
- Barbara D. Jacobson, 1982, *Part-time Instructor in Music*  
B.Mus., M.Mus., New England Conservatory of Music
- William Ray Johnson, 1984, *Assistant Professor of Communications; Coordinator of Television Services*  
B.A., Appalachian State University; M.Ed., University of North Carolina at Greensboro
- Charles Richard Jones, 1984, *Instructor in Physical Education and Health; Head Baseball Coach*  
B.A., University of North Carolina at Wilmington; M.S., North Carolina A. & T. University
- P. Alston Jones, Jr., 1982, *Assistant Professor; Head Librarian and Director of Learning Resources*  
B.Mus., East Carolina University; M.S., Drexel University
- Walter C. Joyce, Jr., 1983, *Assistant Professor of Military Science*  
B.A., Davidson College; Captain, U.S. Army
- Arlen D. Keeling, 1984, *Assistant Professor of Economics*  
B.S., M.S., University of Arkansas; M.A., Virginia Polytechnic Institute and State University
- Connie L. Keller, 1980, *Assistant Professor; Assistant Librarian for Technical Services*  
B.A., Illinois Wesleyan University; M.A., University of Iowa
- Donald J. Kelly, 1967, *Associate Professor of Physical Education; Associate Football Coach*  
A.B., Catawba College; M.A., University of North Carolina
- Ralph W. Kerns, 1980, *Part-time Instructor in Communications and Fine Arts*  
B.A., Waynesburg College; M.F.A., Carnegie Institute of Technology, Carnegie-Mellon University
- Jeff S. Kinard, 1983, *Part-time Instructor in Art*  
B.F.A., M.F.A., University of North Carolina at Greensboro
- Robert Burns King, 1981, *Part-time Instructor in Organ; College Organist*  
B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany; Prix de Virtuosite, Schola Cantorum, Paris
- Pamela M. Kiser, 1981, *Assistant Professor of Human Services and Psychology*  
B.A., Wake Forest University; M.S., University of North Carolina

- Richard D. Kiser, 1983, *Part-time Instructor in Human Services*  
B.A., University of North Carolina at Asheville; M.S.W., University of North Carolina
- Ronald A. Klepcyk, 1978, *Assistant Professor; Dean of Student Affairs*  
B.S., M.Ed., Kent State University
- John D. Loftin, 1982, *Assistant Professor of Religion*  
A.B., University of North Carolina; Ph.D., Duke University
- William G. Long, 1974, *Associate Professor of Political Science; Director of Foundations, Government and Church Relations*  
B.A., M.A., West Virginia University; M.Div., Yale University Divinity School
- Valerie K. Luko, 1984, *Assistant Professor; Assistant Dean of Student Affairs*  
A.A., Broward Community College; B.A., M.A., University of South Florida
- Ernest J. Lunsford, 1981, *Assistant Professor of Spanish*  
B.A., Duke University; M.A., Middlebury College; Ph.D., University of Florida
- Kathy J. Lyday-Lee, 1982, *Assistant Professor of English*  
B.A., M.A., Tennessee Technological University; Ph.D., University of Tennessee
- Helen H. Mackay, 1976, *Assistant Professor of English*  
B.A., M.A., Ph.D., University of North Carolina at Greensboro
- Betty J. Maness, 1976, *Assistant Professor of Education and English*  
B.A., M.Ed., University of North Carolina at Greensboro
- John Michael Marr, 1978, *Professor of Business Administration; Chairman, Department of Accounting, Business Administration and Office Administration; Director of the M.B.A. Program*  
B.A., Presbyterian College; M.S., Ph.D., Clemson University
- Donna Necy Massey, 1983, *Instructor in Physical Education; Cheerleader Coach*  
B.S., Winthrop College; M.Ed., University of Georgia
- Robert D. McBee, 1977, *Assistant Professor of Sociology*  
B.A., Presbyterian College; M.S., Ph.D., University of Southern Mississippi
- Richard W. McBride, 1984, *Assistant Professor of Religion; College Chaplain; Coordinator of Personal Counseling*  
B.S.Ed., University of Virginia; M.Div., Union Theological Seminary, New York; Th.M., Duke University
- Trevathan N. McCarther, 1982, *Assistant Professor of Military Science*  
B.S., North Carolina Central University; M.S., Webster College; Lt. Colonel, U.S. Army

- Larry B. McCauley, Sr., 1968, *Assistant Professor; Director of Physical Plant*  
A.B., Elon College; M.A., University of North Carolina
- Robie W. McClellan, 1980, *Assistant Professor of Business Administration*  
B.A., University of North Carolina; M.B.A., Ed.D., University of North Carolina at Greensboro
- Kathleen Metzger McNamee, 1983, *Instructor in Accounting and Business Administration*  
B.S., Manchester College; M.B.A., Old Dominion University
- William F. Migniuolo, 1978, *Assistant Professor of English; Coordinator of Academic Development Program*  
A.B., University of North Carolina; Ph.D. candidate, Brown University
- John F. Mitchell, 1981, *Associate Professor; Vice President for Administrative Services*  
A.B., M.B.A., Dartmouth College
- James A. Moncure, 1974, *Professor of History*  
B.A., University of Richmond; M.A., Ph.D., Columbia University
- H. Reid Montgomery, 1978, *Part-time Instructor in Religion*  
A.B., Elon College; B.D., Union Theological Seminary, Virginia; S.T.M., New York Theological Seminary; Graduate Studies, New York University
- Patricia Sue Morgan, 1983, *Assistant Professor; Associate Dean of Student Affairs*  
B.S., Mars Hill; M.A., Appalachian State University
- Voigt F. Morgan, 1963, *Associate Professor of Biology*  
A.B., Elon College; M.A., Appalachian State University; Graduate Studies, Duke University
- T. William Morningstar, Jr., 1972, *Assistant Professor of Physical Education and Health; Men's Head Basketball Coach; Golf Coach*  
A.B., Elon College; M.A., Lynchburg College
- James T. Morris, Jr., 1984, *Part-time Assistant Professor of Psychology and Sociology*  
B.A., St. Martins College, Washington; M.A., Pacific Lutheran University; Ph.D., University of North Carolina at Greensboro
- Richard C. Mroz, Jr., 1984, *Assistant Professor of Medical Laboratory Technology; Director, Medical Laboratory Technician Program*  
B.S., University of Maryland, College Park; B.S., University of Maryland, Baltimore; D.A., Catholic University of America; M.T., ASCP
- Whitney P. Mullen, 1970, *Associate Professor of Science Education*  
B.S.Ed., Glassboro State College; M.Ed., D.Ed., Duke University
- James L. Murphy, 1984, *Instructor in Mathematics and Computer Information Science*  
B.S., Campbell College



- William Robert Nowell, 1981, *Assistant Professor of Communications*  
B.A., University of North Carolina; M.S., Northwestern University; Ph.D. candidate, Indiana University
- E. Eugene Oliver, 1981, *Associate Professor of Accounting*  
A.B., M.B.A., George Washington University; Ed.D., University of North Carolina at Greensboro
- James H. Pace, 1973, *Associate Professor of Religion; Chairman, Department of Religion*  
A.B., Birmingham-Southern College; M.Div., Ph.D., Emory University
- Robert Joseph Peace, 1983, *Adjunct Professor of Allied Health*  
B.S., M.D., Tulane University
- Susan L. Piepke, 1984, *Instructor in Foreign Languages*  
B.A., SUNY at Albany; M.A., University of Rochester; M.A., Ph.D. candidate, Middlebury College
- Barbara T. Plumblee, 1979, *Assistant Professor of Biology; Director of Academic Computing Services*  
A.B., Elon College; M.S., Graduate Studies, University of North Carolina
- Anne Ponder, 1977, *Assistant Professor of Communications and English; Director of Academic Honors Program*  
A.B., M.A., Ph.D., University of North Carolina
- R. D. Rao, 1969, *Associate Professor of Biology; Coordinator of Radiologic Technology*  
B.S., Osmania University; M.S., Ph.D., North Carolina State University
- Rosalind R. Reichard, 1984, *Assistant Professor of Mathematics*  
B.A., Harpur College, New York; M.S., Ph.D., Michigan State University
- Steven C. Reinhartsen, 1984, *Assistant Professor; Director of Cooperative Education*  
B.S., Valparaiso University; M.Ed., University of North Carolina at Greensboro
- Lela Faye Rich, 1977, *Assistant Professor of History; Director of Pre-major Advising*  
B.A., Wake Forest University; M.A.T., Duke University
- William G. Rich, 1977, *Associate Professor of Religion; Director of General Studies*  
B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
- Janice Little Richardson, 1983, *Part-time Instructor in Mathematics*  
B.A., University of North Carolina; M.A., Wake Forest University
- Gerardo Rodriguez, 1982, *Assistant Professor of Spanish*  
M.A., Normal Inferior Benavente, Puebla, Mexico; Ph.D., University of Madrid, Spain

- Allen B. Sanders, 1965, *Professor of Business Administration and Accounting*  
B.S., West Virginia University; M.B.A., The George Washington University; Ph.D., University of North Carolina, C.M.A.
- Martin L. Shotzberger, 1980, *Jefferson-Pilot Professor of Business Administration*  
B.S.B.A., M.S.B.A., University of Richmond; Ph.D., Ohio State University; LL.D., University of Richmond
- Lawrence H. Simon, 1976, *Associate Professor of Education*  
B.A., M.A.T., University of North Carolina; Ed.D., University of North Carolina at Greensboro
- Martha B. Smith (1964\*), 1970, *Professor of English*  
A.B., Winthrop College; M.A., Presbyterian School of Christian Education; M.A., Ph.D., University of North Carolina
- JoAnne C. Soliday, 1980, *Assistant Professor; Dean of Admissions and Financial Planning*  
B.A., West Virginia Wesleyan College; M.Ed., University of North Carolina
- Joyce E. Speas, 1978, *Assistant Professor of Mathematics and Education*  
B.A., Mars Hill College; M.Ed., University of North Carolina at Greensboro
- John G. Sullivan, 1970, *Professor of Philosophy*  
B.A., M.A., Catholic University; J.C.D., Lateran University; Ph.D., University of North Carolina
- George A. Taylor, 1979, *Associate Professor of Political Science and Public Administration*  
B.S., Baptist College of Charleston; M.A., Ph.D., University of Georgia
- Barbara H. Thornton, 1981, *Instructor in Medical Laboratory Technology; Education Coordinator, MLT Program*  
B.S., Georgia State College for Women; M.Ed., University of North Carolina; M.T., ASCP
- Thomas K. Tiemann, 1984, *Associate Professor of Economics*  
A.B., Dartmouth College; Ph.D., Vanderbilt University; Post-doctoral study, University of Kansas at Lawrence
- Jerry R. Tolley, 1967, *Associate Professor of Physical Education and Health; Director of Annual Fund; Pride II Campaign Coordinator*  
B.S., M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
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B.S., M.A., Appalachian State University; Graduate Studies, Teachers College, Columbia University; University of Colorado; Memphis State University
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A.B., University of Georgia; M.A., Ph.D., University of North Carolina

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A.B., Guilford College; M.A., Ph.D., University of North Carolina
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B.A., Louisiana Technical University; M.A., Ph.D., University of North Carolina
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B.Mus., Syracuse University; M.Mus., Cincinnati Conservatory of Music; Ph.D., University of North Carolina
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B.S., Concord College; M.Ed., University of North Carolina; D.A., New York University
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Rhonda A. Belton, A.A.S., *Computer Operator*  
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Lou F. Harper, *Secretary to the Department of Athletics*  
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Charles A. Griffin, A.A., B.S., M.A., *Assistant Football Coach, Assistant Wrestling Coach*  
Hornsby Howell, Jr., B.S., M.Ed., *Assistant Football Coach, Assistant Track Coach*  
T. William Morningstar, A.B., M.A., *Men's Head Basketball Coach, Golf Coach*  
Gary R. VanDam, A.A., B.S., M.A., *Track Coach, Assistant Football Coach*  
Kyle Wills, A.B., *Supervisor of Athletic Facilities*  
C. Rick Jones, A.A., B.A., M.S., *Baseball Coach*  
David L. Bodle, B.S., M.Ed., *Assistant Football Coach*  
Jacquelyn Myers, B.S., M.A., *Women's Basketball Coach*

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Donna H. DeWoody, *Secretary to the Director of Physical Plant*  
Allen Smith, *Plant Engineer*  
Margie O'Connell, *Executive Housekeeper*  
Lloyd Routh, *Supervisor of Grounds*  
Paul Holt, *Electrician*



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Gayle Fishel, A.B., *Director of Publication Production*  
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Edith R. Brannock, A.B., M.Ed., *Assistant Professor of Home Economics*  
Marydell R. Bright, A.B., M.Ed., *Dean of Admissions and Financial Aid*  
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Frances C. Longest, A.B., M.Ed., *Associate Professor of Business Education*  
June M. Looney, A.B., M.A., *Assistant Professor of Psychology*  
Eleanor W. Moffett, A.B., M.Ed., Ph.D., *Professor of English*  
C. Fletcher Moore, A.B., M.A., D.Litt., *Professor of Piano and Organ*  
Whitney P. Mullen, B.S.Ed., M.Ed., D.Ed., *Associate Professor of Science Education*  
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Bessie P. Sloan, A.B., M.A., *Assistant Professor of Spanish*  
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Lucile C. Stone, A.B., M.Ed., *Associate Professor of Education*  
Arnold C. Strauch, B.S., M.A., Ed.D., *Professor of Education*  
W. B. Terrell, A.B., *Alumni Secretary*  
Walter Westafer, B.Mus., M.Mus., Ph.D., *Professor of Music*

Jeanne F. Williams, B.S., M.S., *Associate Professor of Statistics and Mathematics*

## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees. This fund is in memory of his wife, Mrs. Annie Elizabeth Moring Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon College. The income from this fund is used preferably for support of the department of religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in western Kentucky, bequeathed funds to the College to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*T. B. Dawson Memorial Bible Fund.* This fund was established by friends and relatives of the late T. B. Dawson. The earnings are used to assist the College in purchasing copies of The Holy Bible which are given to graduating seniors in religion.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the department of Biology.

*Dofflemeyer Fund.* Established in memory of the late Milton A., Sr. and Naomi Frazier Dofflemeyer by their children.

*George Joseph Fertig Fund.* Established by C. Max Ward, class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time teachers.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson Pilot Professorship.* This fund was established by the Jefferson Pilot Corporation, Greensboro, N.C., The incumbent is appointed by the President of the College from any academic discipline within the College.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, N.C., in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* This fund was established by John T. Kernodle, class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley for whom the auditorium was named.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen Jr. of New Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York. A second bequest from his estate was later added to the fund.

*The Thomas Edward Powell, Jr. Professorship of Biology* was established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Ferris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*Oscar F. Smith Memorial Fund.* A bequest from the estate of Oscar Frommel Smith of Norfolk, Va., who served as a trustee of the College.

*William Watson Sellers Endowment Fund.* This fund was created in memory of William Watson Sellers, Elon College alumnus and former member of the Board of Trustees.

*Spence Endowment Fund.* This endowment fund was established by Royall H. Spence, Sr. and his wife, Dolly Lewis Spence, and Royall H. Spence, Jr. (Class of 1942) and his wife, Luvene Holmes Spence (Class of 1943), to provide additions to the Spence Collection in the College Library.

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the College from 1928 to 1956.

*Drusilla Dofflemeyer Voorhees Fund.* Created in honor of Drusilla Dofflemeyer Voorhees, class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the College.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

**President**

General information

**Vice President for Academic and Student Affairs**

Academic and student affairs policy

Long-range planning

**Dean of Academic Affairs**

Academic program

Academic work of students in college

Faculty positions

Special programs

**Dean of Admissions and Financial Planning**

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loan funds, and work jobs

**Dean of Student Affairs**

Housing

Student affairs

**Vice President for Administrative Services**

Payment of student accounts

Inquiries concerning expenses

**Vice President for Development**

Public relations

Contributions, gifts or bequests

Estate planning

**Director of Placement**

Career options for students

Employment of seniors and alumni

**Registrar**

Requests for transcripts

Evaluation of transfer credits

Student educational records

**Director of Alumni and Parent Relations**

Alumni affairs

Parent relations

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Office of Admissions and Financial Planning  
Elon College, North Carolina 27244-2010

Toll Free: Inside NC 1-800-672-5827

Outside NC 1-800-334-8448

## A large, multi-story red brick building with white window frames and arched windows on the ground floor. Two people are walking on a path in front of the building. The foreground is filled with vibrant red flowers and green foliage.

1986-87





# **ELON COLLEGE**

## **1986-87**

**Elon College / North Carolina 27244**  
**Telephone 919-584-9711**

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Elon

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Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs.



# Calendar

## Fall Semester 1986

August 31 (Sunday)  
 September 1 (Monday)  
 September 2 (Tuesday)  
 September 3 (Wednesday)  
 September 4 (Thursday)  
 September 9 (Tuesday)  
 October 24 (Friday)

October 28 (Tuesday)  
 October 28 (Tuesday)  
 November 10 (Monday)  
 November 12 (Wednesday)  
 November 26 (Wednesday)

December 1 (Monday)  
 December 10 (Wednesday)  
 December 11 (Thursday)  
 December 12-16 (Fri.-Tues.)

Orientation  
 Orientation; Evening School Registration  
 Registration  
 Drop-Add Day; Evening Classes Begin  
 Day Classes Begin  
 Last Day for Late Registration  
 Fall Break Begins at 1:15 p.m.; Last Day  
 for Dropping Course with "WP"  
 Fall Break Ends at 8:00 a.m.  
 Mid-Semester Reports Due  
 Last Day to Remove Incomplete ("I")  
 Grades  
 Preregistration Begins for Winter Term  
 and Spring Semester 1987  
 Thanksgiving Holiday Begins at Close  
 of Afternoon Classes  
 Thanksgiving Holiday Ends at 8:00 a.m.  
 Classes End  
 Reading Day  
 Examinations

## Winter Term 1987

January 5 (Monday)  
 January 6 (Tuesday)  
 January 28 (Wednesday)

Registration  
 Classes Begin  
 Examinations

## Spring Semester 1987

February 2 (Monday)  
 February 3 (Tuesday)  
 February 4 (Wednesday)  
 February 10 (Tuesday)  
 March 19 (Thursday)

March 20 (Friday)  
 March 20 (Friday)

March 30 (Monday)  
 April 13 (Monday)

April 13 (Monday)

May 15 (Friday)  
 May 16-20 (Sat-Wed)  
 May 24 (Sunday)

Registration  
 Drop-Add Day; Evening Classes Begin  
 Day Classes Begin  
 Last Day for Late Registration  
 Last Day for Dropping Course with  
 "WP"  
 Mid-Semester Reports Due  
 Spring Vacation Begins at Close of  
 Afternoon Classes  
 Spring Vacation Ends at 8:00 a.m.  
 Preregistration Begins for Summer  
 School and Fall Semester 1987  
 Last Day to Remove Incomplete ("I")  
 Grades  
 Classes End  
 Examinations  
 Commencement; Last Day on School

## Summer School 1987

First Term: June 8-July 10  
 Second Term: July 14-August 14





# Introduction to Elon

Elon College is a coeducational, residential, church-related college on a beautiful campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

**Location.** Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the great intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

**Students.** Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 2,900 undergraduates come from 29 states and a number of foreign countries. Slightly more than half of the students are men, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

**Faculty.** Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

**Programs.** The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of man's cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study-abroad opportunities, career internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.



## Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel and study abroad in addition to specialized courses on campus. Evening classes and a summer school of two terms of five weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, plus providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

A full schedule of evening classes provides maximum flexibility for students. Additionally, a wide variety of workshops, seminars and non-credit courses is offered throughout the year.

## History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollments increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. The faculty increased to more than 100, teaching 29 major fields offering four baccalaureate and two associate degrees. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its

commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

## **The Mission of Elon College**

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the Charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college careers.
5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.
6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.
7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.
8. A sensitivity to esthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.
9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.
10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.



## Accreditation

Elon College is accredited by the Southern Association of Colleges and Schools. Several departmental programs, including Education, Cytotechnology and Medical Laboratory Technician are accredited by the appropriate state or national agencies. Elon College is a member of the following:

The American Council of Education  
The Association of American Colleges  
The American Association of University Women  
The North Carolina Association of Colleges and Universities  
The North Carolina Association of Independent Colleges and Universities  
Independent College Fund of North Carolina  
The Council for Higher Education of the United Church of Christ  
National Commission on Accrediting

## Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including four new dormitories completed in 1982 and 1984, a new fountain, plaza area and extensive landscaping. A new fine arts center is under construction.

Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve new residence halls have been constructed since 1956. Completed in 1970 were a new office-classroom building and a new physical education facility, which includes an Olympic-size swimming pool. The present living and dining facilities serve a resident student body of approximately 1,600.

*Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

*The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classroom, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

*The Athletic Field* consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

*John W. Barney Hall* houses 54 men students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

*Ned F. Brannock Hall*, housing 48 men students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

*Carlton Building*, renovated in the summer of 1973, was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses the fine arts department, classrooms, a rehearsal hall, and faculty offices.

*Carolina Hall*, erected in 1956, houses 126 women students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

*Chandler Hall* is a dormitory housing 92 men. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

*Colclough Hall* is a dormitory designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

*Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Mathematics, Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, which was renovated in 1966.

*East Building* was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium, dance studio and wrestling room complete the facility.

*The Fine Arts Center*, currently under construction, is scheduled for completion during the 1986-87 academic year. In addition to classroom and office facilities for the art, music, drama and dance programs, the \$7 million facility features a 600-seat theater and a 125-seat recital hall.

*Fraternities and Sororities* are housed in several off-campus residences owned by the College.

*Holland House* is the residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons.

*A.L. Hook Hall*, housing 48 men students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

*The B. Everett Jordan Gymnasium*, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck Olympic-size swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

*The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

*The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

*The Lodge* was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

*William S. Long Student Center*, constructed in 1966, houses the campus shop, the varsity room, the health service, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

*Maynard Hall* is a dormitory for 114 women. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

*McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

*Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 160,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

*The Spence Collection*, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

*Mooney Building* was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building, remodeled in 1967, houses faculty offices, classrooms, the Learning Resources Center, a television studio, a recital hall and the Curriculum Resources Center.

*Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cob Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

*North Building*, located near the Harper Center, houses men students.

*The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

*The Power Plant* provides heat for the entire College.

*Sloan Hall*, a three-story brick structure housing 80 men students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

*Leon Edgar Smith Hall* is a three-story brick residence hall erected in 1957 to house 126 men students. The building was named for Dr. L. E. Smith, former President of the College.

*Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall* were completed in 1968. Staley Hall houses 200 men, and Moffitt Hall 100 women. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

*Virginia Hall*, a three-story modern brick structure erected in 1956, houses 80 women students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

*West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Sixty-eight women students are housed on the second and third floors.

*Whitley Memorial Auditorium*, extensively renovated in 1972, has a seating capacity of approximately 500. Teaching and practice studios of the Fine Arts Department are located in the rear of this building.

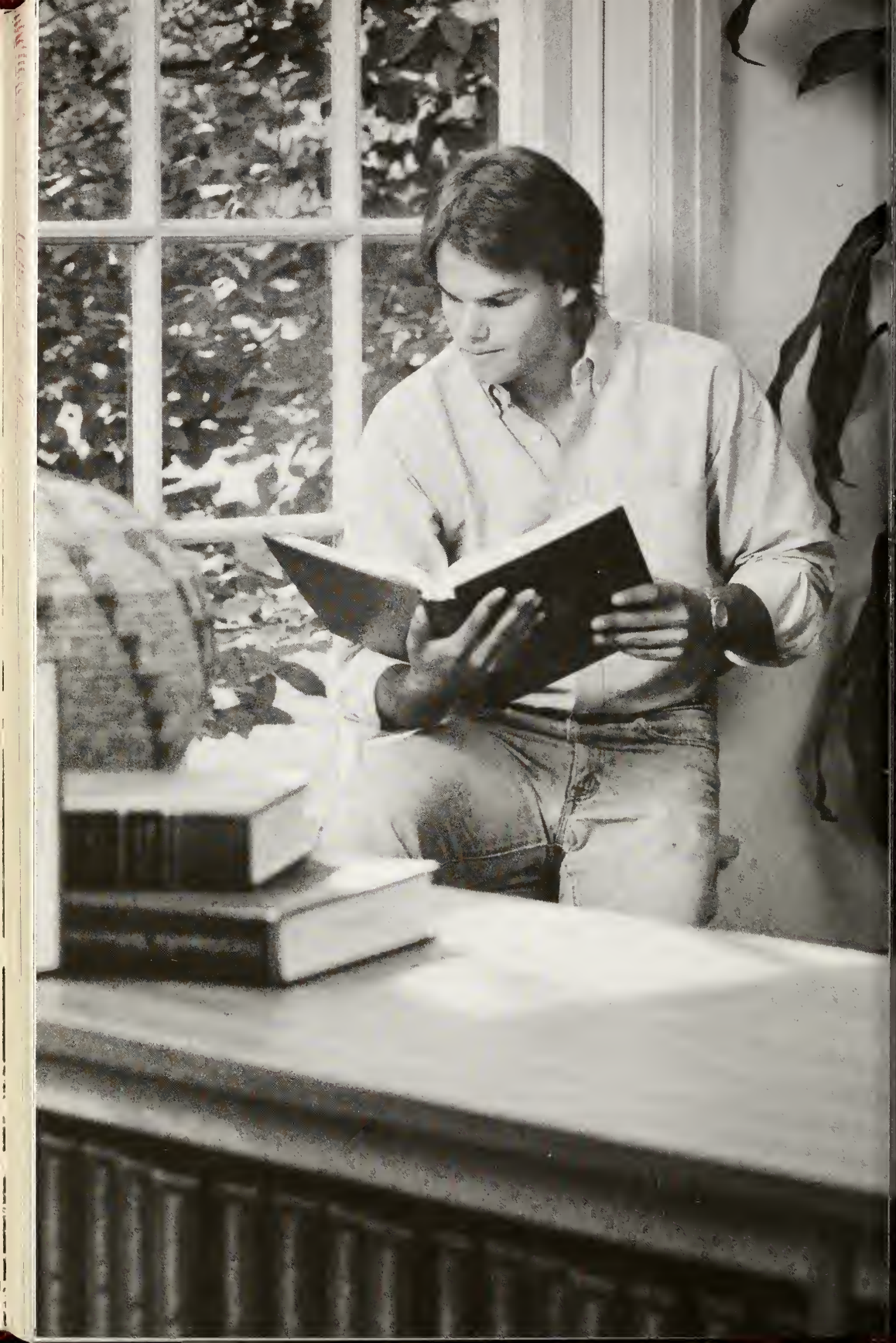
## Visitor Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

## Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. It is also served by Carolina Trailways and Greyhound, which afford bus service to all parts of the country. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.





# ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

## Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Applied Science, Associate in Arts and Associate in Science.

*The Master of Business Administration* program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The principal objective of the M.B.A. program is to produce excellent general managers. *The Master of Education* program requires 30 semester hours of graduate credit in one of three programs: Elementary Grades, Middle Grades or Physical Education.

*The Bachelor of Arts* degree is awarded in the following fields: Biology, Chemistry, Computer Information Science, Economics, Education (Elementary—Early Childhood, Intermediate, Middle Grades; Secondary—several subject areas), English, Foreign Languages, History, Human Services, Journalism, Mass Communication, Mathematics, Music, General Music, Office Administration, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

*The Bachelor of Science* degree is awarded in the following fields: Accounting, Business Administration (Management, Finance or Marketing), Cytotechnology, Medical Laboratory Technician, Medical Technology, Music Education, Physical Education and Health (Teacher Certification, Community Recreation, or Commercial Leisure and Sports Management).

*The Bachelor of Applied Arts* and *Bachelor of Applied Science* degrees offer graduates of two-year technical or vocational programs from accredited community colleges or technical institutes direct transfer of up to 65 semester hours of work. Elon College offers a special program leading to the Bachelor of Applied Science degree in Radiologic Technology.

*The Associate in Arts* degree is awarded in Office Administration. *The Associate in Science* degree is awarded in Medical Laboratory Technician.

## Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Information Science, Dance, Economics, Education, Special Education, English, Foreign Languages, Geography, Gerontology, History, American History, European History, Human Services, Journalism, Mass Communication, Mathematics, Music,



Office Administration, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Recreation, Religion, Sociology, Spanish and Sports Medicine.

### **General Studies**

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, esthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct and graceful English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

### **Independent Study and Research**

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

### **Experiential Education**

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. An active cooperative education and internship program provides opportunities throughout the academic year and during summers for students to test career objectives, to integrate theory with practice and to examine future job possibilities.

Internships may be developed through the academic departments. Positions are directly related to majors, may be full or part time, and are usually supervised by Elon faculty. Departments which require internships of their majors include Education, Human Services, Journalism, and Mass Communication. Internships are frequent in the fields of Community Recreation, History, and Public Administration.

Cooperative Education at Elon is designed to meet student needs. Some

positions involve alternating terms of work and study beginning in the second half of the sophomore year and continuing through graduation. Other co-op positions involve several terms in a part-time job. Students are placed in positions which offer pay and opportunities for increasing responsibility. For more information, students should contact the Director of Experiential Education.

### **Professional Programs**

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Mass Communication, Human Services, Public Administration, Computer Information Science, Cytotechnology, Medical Laboratory Technician and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

### **Preprofessional Programs**

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

#### **Pre-engineering**

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing our program are given preferential consideration for transfer to any of these engineering schools.

#### **Prelaw**

According to the Association of Law Schools, there are two objectives of undergraduate education for law students; first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

#### **Premedical and Predental**

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career



in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and pre dental students.

### **Preministerial (Any Full-time Christian Vocation)**

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

### **All Preprofessional Majors**

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In order to assist students, Elon provides the services of faculty advisors for each specific preprofessional program. The Academic Advising Center staff is also available to help.

### **Special Academic Programs**

Elon College offers various programs for those people with special needs and qualifications.

#### **Academic Honors Program**

- Provides opportunity for academically talented students.
- Develops Academic Enrichment and Honors Courses.
- Allows enrollment by academic performance and interest.
- Assists students interested in graduate study.

#### **Academic Development Program**

Assists students in understanding the basic concepts of reading, mathematics and communication skills.

Gives small group instruction.

Offers individual assistance by tutors and self-paced programs through the Learning Resources Center.

#### **Continuing Education**

Designed to encourage adults to return to college for further study.

Conducts evening school programs (undergraduate and graduate)

Offers non-credit courses throughout the year.

#### **Direct Transfer**

*Community College or Junior College*

Offers graduates of a college parallel program from an accredited junior college or community college full credit with a direct transfer of up to 65 semester hours of work toward a *Bachelor of Arts* or *Bachelor of Science* degree.

### *Community College or Technical Institute*

Offers graduates of a technical or vocational program from an accredited community college or technical institute full credit with direct transfer of up to 65 semester hours of work toward a *Bachelor or Applied Arts or Bachelor of Applied Science* degree.

### **High School Credit Bank Programs**

Makes it possible for the student to have sophomore standing at the time of college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

### **Military**

#### *ROTC*

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

#### *Credit for Veterans*

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Accepts credit for USAFI courses taken while in service.

Transfers work completed at other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

#### *Bootstrap and Project Ahead*

Offers degree programs to military personnel on educational leave.

Opens door for persons who have not entered or completed college.

Grants credit for USAFI, CLEP, previous college work, and/or service experience according to ACE guidelines.

Offers built-in financial assistance.

### **Study Abroad**

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. Study-tours are traditionally scheduled for the winter "mini-term" and summer session. Semester abroad programs are scheduled for fall semester in England.

### **Academic Support Services**

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

### **Academic Advising Center**

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as pre-law, pre-med and pre-engineering.

Closely associated with the Academic Advising Center is the Career Development service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

### **Placement Services**

Elon College has a professional placement office that helps graduates find meaningful employment. Beginning during their junior year students are helped with resume preparation and interviewing skills. On-campus and off-campus interviews are arranged with prospective employers.

### **Learning Resources Center**

Located in Mooney Building, the Learning Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include tutorial assistance for most academic areas, computer-assisted instruction, the academic computer and terminals, a microcomputer lab, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

### **Library**

The McEwen Library contains a well-rounded collection of more than 160,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

### **Computer Facilities**

The Learning Resources Center offers a variety of hardware capabilities and software support. The center is staffed with faculty, staff and student assistants to assist students with use of the computer. Formal courses and special seminars in the computing sciences and computer usage are also available. Every student and faculty member of Elon College is authorized to use the computers. In addition to the Learning Resources Center, terminals for student use are located in Alamance Building, Mooney Building and Powell Building.

# Student Life

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, service organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

## Student Personnel Service

*Personal Counseling.* Counselors are available twenty-four hours a day and are responsible for providing help to each resident student. In each residence area there is an Area Coordinator. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and meeting problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

*Career Development and Placement.* The Director of Career Development assists students in their choice of profession. Through testing programs the student is encouraged to explore fully all possible job opportunities. Emphasis is placed upon "life planning" so that career choice fits personal interest, ability, talent and job availability.

The Director of Placement assists seniors and alumni in finding employment after graduation. Visiting representatives from industry, business, education, and government interview candidates on campus. With written permission from student or graduate, credentials are made available to prospective employers on a confidential basis. No charge is made for this service with the exception of a fee connected with sending official College transcripts.



*Health Service.* The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physicians. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

*Campus Living.* Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and residence halls locked no later than 6:00 p.m. on the day classes end before these vacation periods. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, they are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

*Commuter Students.* Programs designed to meet the particular needs of commuter students are offered through the Office of Student Activities.

A commuter student organization also responds to the needs of this sizeable campus population.

## **Freshman Orientation**

Freshman Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

## **The Student Center**

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, folk entertainment, travel groups, special theme parties, concerts, intramurals, and other social activities.

## Student Government

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

## Judicial System

This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen. It is intended to be both one of justice and of education for students.

## Religious Life

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, just off the campus, is affiliated with the United Church of Christ and open to all students for worship. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

## Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in Whitley Auditorium by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

## Honor Societies

*Alpha Chi.* Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself by academic accomplishments.

*Beta Beta Beta.* The objective of this national honor society is to recognize scholastic achievement in the Biology program.

*Epsilon Beta Epsilon.* The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

*Mu Lambda Tau.* This honor society recognizes scholastic achievement in the Medical Laboratory Technician program.

*Omicron Delta Kappa.* This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, good citizenship within the academic and larger community.

*Phi Alpha Theta.* The objective of this national honor society is to recognize scholastic achievement in the History program.

*Pi Gamma Mu.* The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929 and is one of four in North Carolina. Student and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

*Sigma Sigma Epsilon.* The objective of this honor organization is to recognize scholastic achievement in the Office Administration program.

*Sigma Tau Delta.* The objective of this honor organization is to recognize scholastic achievement in English.

*Theta Alpha Kappa.* The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

## Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

*Departmental* - American Chemical Society, American Marketing Association, Business Students Communications Committee, Computer Science and Mathematics Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Society for the Advancement of Management, Human Services Club, Alpha Kappa Psi (Business).

*Greek* - There are eleven social fraternities and sororities at Elon. A number of these occupy College-owned houses. Fraternities include Tau Kappa Epsilon, Kappa Alpha, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Pi, and Pi Kappa Phi; Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu and Alpha Sigma Alpha.

*Music and Fine Arts* - Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, Drama Club, College-Community Orchestra, Elon College Gospel Choir.

*Religious* - Baptist Student Union (B.S.U.), Fellowship of Christian Athletes, Intersivity Christian Fellowship, Newman Society.

*Service* - Civinettes, Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega.

*Sports* - Comprehensive intramural program, Lacrosse Club, Outing Society.  
*Others* - commuter student organization, class organizations, Black Cultural Society, College Republicans, Math/Computer Science Club, GENTS, Young Democrats.

## Communications Media

*The Board of Student Communications Media.* The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

*Elon Colonnades.* This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

*The Pendulum.* The College newspaper, *The Pendulum*, is published weekly by a student staff.

*Phi Psi Cli.* The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates the three former literary societies.

*Radio Station.* WSOE-FM, the campus radio station, operates each day and is manned primarily by students. The station broadcasts from a modern facility in Harper Center.

## Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

## Athletics

*Intramurals.* The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

*Intercollegiate.* A member of the Carolinas Intercollegiate Athletic Conference, the South Atlantic Conference, the National Association of Intercollegiate Athletics, and the Association of Intercollegiate Athletics for Women, Elon has teams which compete with other colleges in football, basketball, wrestling, baseball, tennis, golf, track, soccer, women's volleyball, cross country, women's basketball, women's softball, women's soccer, women's tennis, and lacrosse.



## **Traditional Events**

*Alumni Day.* This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

*Founders Day.* A convocation honoring the founders of Elon College is generally held in the spring.

*Greek Weekend.* A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

*Homecoming.* Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

*Parents' Weekend.* In the fall parents are invited to visit the campus and participate in several events planned especially for them.

*Spring Fling.* A weekend of activities which includes student competitions, concerts, and other programs.

# Admissions, Finances, and Financial Aid

## Admissions Procedures

Elon College operates on the Rolling Admissions Plan — completed applications are acted upon and candidates notified within two to four weeks. Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations. While a personal interview is not necessary, it is helpful both to the prospective student and to the College.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$15 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English 4 units

One Foreign Language 2 units

Math 2 units

(Algebra I & II or Algebra I & Geometry

Algebra I & II preferred)

History 1 unit

Science 1 unit

## Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

## Acceptance on Condition

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Academic Development Program. Upon successful completion of this work and recommendation by the Academic Development Program Coordinator, the student may proceed with regular course work.

## Special Students

The College admits a limited number of special students. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.

2. *Persons 21 years of age or older who are not high school graduates* or candidates for a degree but wish to take class work. Such applicants are accepted on the basis of maturity, seriousness of purpose, and background sufficient to do the class work desired.

3. *College graduates* who are interested in further study at the College. Such applicants are admitted if they fulfill the requirements for admission to the desired courses.

4. *High school students* who wish to take work on the Elon campus prior to and during their senior year. Credit for this work is generally transferable to other institutions. Sufficient credits may be earned to enable students to have sophomore standing prior to regular admission.

5. *High school students who wish to enter Elon at the end of their junior year* may submit an application for special consideration for early admission.

## Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

### Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: Art, Biology, Chemistry, Computer Science, English, French, German, History, Mathematics, Music, Physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

### College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics, and Business. A "CLEP at Elon" information booklet is available which gives specific information. Adult students interested in receiving credit through CLEP should contact the Dean's Office for information. Scores should be sent to the Registrar's Office for approval by the Dean of Academic Affairs.

### **American College Testing Proficiency Examination Program (PEP)**

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111, 112; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

### **Department Examination**

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$50.00.

### **Transfer Program Information**

#### **Direct Transfer Program in Applied Arts and Applied Sciences**

Students receiving an Associate or Applied Arts or Applied Science Degree in a vocational or technical area from an accredited technical institute or community college may transfer all work up to and including 65 semester hours (or equivalent) for application toward a BAS (Bachelor of Applied Science) or a BAA (Bachelor of Applied Arts) degree. Students who have received 65 semester hours of credit from two-year institutions cannot transfer additional credit from any two-year institution. Note that the BAA in Early Childhood Specialist will NOT meet teacher certification requirements in North Carolina.

Requirements for BAA or BAS Degree:

1. A student must transfer his major (Applied Arts or Science degree).
2. General Studies requirements must be completed at Elon College.
3. Enough additional elective hours must be earned at Elon to equal the 126 required for graduation.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 21 hours of credit at the junior-senior level to qualify for graduation.

#### **Direct Transfer Program in Liberal Arts**

Graduates of accredited community colleges or junior colleges who hold an Associate of Arts or an Associate of Science Degree may continue their education at Elon College and receive full credit for their study at the junior college level, with direct transfer of up to 65 semester hours of work. Students who have received 65 semester hours of credit from any two-year institution cannot transfer additional credit from any two-year institution.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed at Elon.
2. General Studies requirements must be completed at Elon.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in Mathematics and Foreign Language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.



### **Transfer of Partial Credit (No Associate Degree)**

Credit is given for college-level courses from any accredited institution insofar as they parallel courses at Elon. However, no credit is allowed for a course with a grade report below that of "C," except in direct transfer or authorization from the Dean of Academic Affairs.

### **Credit for Veterans**

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. USAFI courses taken while in the service may be accepted for credit.
3. Work from other accredited post-secondary institutions may be accepted.
4. Service experience may be accepted for physical education and health requirements.

### **Acceptance and Room Reservation Fees**

*All Resident Students.* To complete acceptance and to reserve a room, a deposit of \$125 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. After May 1, \$25 is refundable until August 1. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

*All Commuter Students.* To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

### **General Costs**

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all full-time students during registration.

*Room Charge.* Students changing rooms without permission of the dean are charged for both rooms.

*Board Charge.* All resident students are required to board in the College dining hall. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

**Book Expenses.** The estimated cost of textbooks is \$200 to \$250 for the academic year, of which \$125 is needed for purchases from the campus bookstore at the opening of fall semester.

**Costs Covered by Tuition.** Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, health service, post office box, regular laboratory fees, and 10 to 18 semester hours of work, inclusive each semester.

The tuition fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

## Expenses for the 1986-87 Academic Year

### Full-Time Enrollment/Day Students\* (12-18 hours)

	Fall Semester	Winter Term**	Spring Semester
Tuition . . . . .	\$2100	\$315	\$2100
Room . . . . .	500	150	500
Board*** (Winter Term billed with Fall Semester)			
7 day plan . . . . .	840	220	620
5 day plan (not available to freshmen) . . . . .	735	170	565
Student Government . . . .	23		23
Overload (more than 18 semester hours) . . . . .	85/hour		85/hour
Caution/Damage Deposit (refundable, applies to dorm students only) . . . .	50		

\*Students enrolled for only 10 or 11 hours in fall or spring will be charged for the full semester's tuition.

\*\*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term.

\*\*\*After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

### Part-Time Enrollment/Day Students

Tuition for day or evening course (no more than 9 hours per semester) .....	\$85/hour
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### Evening School

#### Undergraduate Programs

Tuition .....	\$85/hour
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In order to be eligible for this special rate for more than 9 hours in fall or spring students must (1) have earned a high school diploma or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions.

#### Graduate Programs

M.B.A. Tuition .....	\$120/hour
M.Ed. Tuition .....	85/hour

### Summer School 1986

Tuition per semester hour .....	\$75
College enrollment fee including SGA of \$1 .....	10
Room and Board per summer term .....	360

### Special/Optional Fees (No Refunds)

Fine arts courses (individual lessons)

For summer school and part-time students, special fees are charged for applied music and art lessons.

One semester hour credit or audit .....	\$150
Two semester hours credit or audit .....	300
Auditing Courses — per course .....	50
Golf .....	25
Scuba .....	to be announced
Equitation .....	150

### Graduation Fees

Bachelor's Degree .....	\$22.50
Associate's Degree .....	12.50
Master's Degree .....	25.00

### Miscellaneous

Late registration/Re-enrollment during term .....	\$25
Late Payment .....	25
Drop/Add course after classes begin .....	10
Transcripts .....	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing) .....	50
Examination for course credit .....	50
Automobile registration	
Resident students .....	15
Commuter students .....	10
Replace I.D. Card .....	5

Replace Meal ticket . . . . .	5
Returned check fine . . . . .	15

A student's or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

## Refunds

### Academic Year — Fall and Spring Semester

Tuition, fees and room charges are refunded on a pro rata basis during the first four (4) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 20%
- 2nd week pro rata charge 40%
- 3rd week pro rata charge 60%
- 4th week pro rata charge 80%
- 5th week - No refund

Upon withdrawal, Meal Ticket refunds are pro rated.

### Notice of Withdrawal

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

### Winter Term and Summer School

Enrollment dropped during the first week of Winter Term or Summer School will warrant 50% refund of tuition, room and board. There will be no refunds after the first week of classes.

## Payment Plans

Payment plans through outside agencies and directly through the College are made available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

## Financial Aid

Elon College operates on the policy that no student should be denied a college education because of limited funds. As far as possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of financial aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds (except the Pell Grant) is given to those students enrolled for at least 12 semester hours



of course work per semester. Pell Grant awards are made to eligible students who enroll for at least 6 semester hours of work per semester and the amount of the award will be determined by the exact number of hours for which the student is enrolled.

There are three types of aid, and a financial aid award usually includes some portion of each type:

- Grants and scholarships that require no repayment.
- Long term, low interest loans.
- College Work Study and Institutional Work Study.

Applications for a "named" scholarship are not necessary. Recommendations are made by the Financial Aid Committee.

Prior to May 1 EACH YEAR, entering students, transfer students, and continuing students MUST do the following:

- (1) complete a College Scholarship Service (FAF) in its entirety, or a Financial Statement of American College Testing Program (FFS);
- (2) request that a copy of the FAF (Elon College Code #5183) or FFS (Elon Code #3096) be sent to Elon College;
- (3) complete an Elon application for financial aid; and
- (4) send a signed copy of the federal tax forms of both the student and the parents for the previous year to the Office of Admissions and Financial Planning, Elon College.

Students who feel they are financially independent of their parents should contact the Elon College Office of Admissions and Financial Planning for application instructions.

### **Government Sponsored Financial Aid Programs**

*Pell Grants.* These grants are based on need. A financial statement (FAF or FFS) and Elon College application for financial aid are required. The student receives an eligibility report which he or she must send to Elon along with prior year tax forms.

*National Direct Student Loan Fund.* Under the terms of this program, students at Elon College may secure loans from this fund. To be eligible a student must be in need and have been accepted for enrollment to carry at least half of the normal full-time work load. Interest rate is 5 percent and begins six months after a borrower ceases to pursue at least half-time course of study. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Supplemental Education Opportunity Grant Program.* Grants are available to students who demonstrate financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*Parental Loan Program.* Loans are available to parents of students and to graduate students enrolled in a post high school educational program. Repayment will begin within 60 days of disbursement and interest accrues at the rate of 12 percent.

*Guaranteed Student Loan Program.* The Guaranteed Student Loan Program is designed to make it possible for students to borrow from private lenders to help pay for the cost of education and training at universities, colleges, and vocational schools with the Federal Government paying the interest on the loan while the student is in school. Loans are either guaranteed by State or private nonprofit agencies or insured by the Federal Government at an interest rate of 8 percent for new borrowers. A student may apply for a maximum of \$2,500 per academic year. Total loans outstanding may not exceed \$12,500 for undergraduate students. In North Carolina, this program is administered by College Foundation, Inc., Raleigh, North Carolina. In Virginia, it is administered by Virginia Education Loan Authority, Richmond, Virginia. Applications are available from the individual agencies or banks in other states.

*College Work-Study.* Students who qualify for financial assistance and need a job to help pay for college expenses are potentially eligible for employment by their colleges under federally supported Work-Study Programs. Students may work up to 20 hours weekly while attending classes full time. During the summer or other vacation periods, students may work full time.

*North Carolina Legislative Tuition Grant.* A \$950 tuition grant is available to all bona fide North Carolina residents in full-time study in a private college within the State. The application is completed during registration.

*North Carolina Contractual Scholarship Fund.* The North Carolina State Legislature has passed legislation providing funds for needy North Carolina residents who wish to attend a private college. These scholarships are administered by Elon College based on financial need. A financial statement (FAF or FFS) and Elon College application for financial aid along with tax forms are required.

*North Carolina Student Incentive Grant.* Gift aid granted to low income North Carolina residents attending a public or private educational institution within the State. Grants are approximately \$200-\$2,000 and are administered by College Foundation, Inc. Application for this program is made by completing either the FAF or FSS.

## **Student Employment**

*Institutional Work-Study Program.* This program is maintained by the College to provide students part-time employment on campus to help defray their college expenses.

*Off-Campus Employment.* The College strives to help as many students as possible find part-time employment in the surrounding community.

## **Freshman Academic Awards Program**

A freshman who has been accepted to Elon College may be nominated by his or her high school or principal or by the Academic Scholarship

Committee of Elon College for an academic scholarship. These scholarships are renewable provided that the student maintains a semester and cumulative grade point average of 3.0 or better, successfully completes a minimum of 30 semester hours each academic year, and participates in the Honors Program. The freshman awards program consists of the four following categories of scholarships:

*Trustee Scholars*

These scholarships range from \$1,800-\$2,500 and are awarded to the top academic students participating in the freshman awards program.

*Presidential Scholars*

These scholarships range from \$1,000-\$1,750, and a limited number are reserved for Alamance County residents.

*Elon Scholars*

These \$500-\$950 scholarships, established by the trustees of Elon College, are awarded each year to students with outstanding promise.

*Merit Scholarships*

These \$400 scholarship are awarded to students with an outstanding potential for success at Elon College.

## Elon College Scholarships

*Aetna Life and Casualty Scholarships.* Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

*Alamance-Caswell Scholarship.* For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

*Edward M. Albright Scholarship.* Established by his wife, the late Olivia White Albright.

*Simeon Lee Allen Scholarship.* Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

*Nina and Dickie Andrews Scholarship.* Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

*The Rev. J. Frank Apple Memorial Scholarship.* For worthy and deserving students, preferably preparing for full-time church-related vocations.

*Dr. J. O. Atkinson Memorial Scholarship.* Established by the members of the family of the Reverend J. O. Atkinson.

*Band Scholarships.* Awarded on a limited basis to students who are talented musicians and participate in band activities.

*John W. Barney Memorial Scholarship.* Established by colleagues, former students, and friends.

*Barrett-Harward Scholarship.* Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

*R. H. Barringer Distributing Co., Inc. Tennis Scholarship.* Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

*Walter H. and Barbara Day Bass Scholarship.* Awarded to students who have financial need and a record of high academic achievement.

*Robert C. Baxter Scholarship.* For worthy students.

*Robert Charles Beisinger Scholarship.* For deserving students concerned with mission work, preferably among Spanish-speaking people.

*Jennie Willis Atkinson Bradford Scholarship.* For a worthy student in the Department of Fine Arts.

*Ned Faucette Brannock Scholarship.* For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

*C. V. "Lefty" Briggs Athletic Scholarship.* Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

*Richie E. and Agnes R. Brittle Scholarship.* Created by Hunterdale United Church of Christ, Franklin, Virginia.

*Trudie Kimrey Bueschel Christian Education Scholarship.* Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

*Burlington Business and Professional Women's Club Scholarship.* For needy and worthy women students from Alamance County.

*Burlington Handbags Scholarship.* Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

*William E. "Buster" and Mary Griffin Butler Scholarship.* For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

*Byrd Scholarship.* Established by C. R., Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

*Luther Byrd Athletic Scholarship.* Two awards annually—one to a deserving student who is a member of the basketball team and one to a student who is working his/her way through college as a member of the college's sports information office.

*Caddell Memorial Scholarship.* In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

*Isabella Walton Cannon Scholarship.* For deserving students of good character interested in governmental service and political science.

*Wallace L. Chandler Scholarship.* For students from the Richmond, Virginia, metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

*Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship.* Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.



*Paul and Ruth Cheek Scholarship.* For chemistry students with high academic average.

*Class of 1925 Scholarship.* In honor of the living and in memory of the deceased members of the class of 1925.

*Class of 1930 Scholarship.* Established by the members of the Class of 1930.

*George D. Colclough Scholarship.* Created by gifts from the family and friends of George D. Colclough, Class of 1924.

*Carl and Betty Coley Scholarship.* For worthy students.

*Comer Golf Fund.* Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

*Alyse Smith Cooper Music Fund.* Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

*Billy Crocker Jazz Scholarship.* To a member of the Emanons selected by a vote of members and directors of the Emanons.

*Alan Wheeler Crosby Scholarship.* Established by the Crosby family and his friends.

*Danieley Scholarship.* In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Verona Daniels Danieley Scholarship.* Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

*T. B. Dawson Scholarship.* Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

*Maggie Baynes Dixon Ministerial Scholarship.*

*Dewey Hobson Dofflemeyer Scholarship.* Established by his wife, Annie Onley Dofflemeyer.

*William H. and Kathryn M. Duncan Scholarship.* For deserving students who are legally blind or are low-vision patients.

*Eastern North Carolina Ministers Memorial Scholarship.* Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

*W. Clifton Elder Scholarship.* For a well-rounded, deserving student, preferably from an Alamance County textile family.

*Elon College Community Church Scholarship.* For worthy students, preferably from the church.

*Clyde Lee Fields Memorial Scholarship.* For deserving students.

*First Christian Church, Portsmouth, Virginia, Memorial Scholarship.* Established in 1965 by the Women's Fellowship and others of the First Christian Church.

*Mary Ruth and Archibald F. Fleming, Jr. Scholarship.* For tuition and fees of one or more students.

*A. J. Fletcher Music Scholarship.* To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

*H. Terry and Nonnie B. Floyd Scholarship.* Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

*Lacy R. Fogleman Scholarship of St. Mark's Reformed Church.* For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing pre-ministerial or Christian Education studies.

*Franklin Congregational Christian Church Scholarship.* To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

*Charles A. Frueauff Foundation Scholarship.* For academically talented students.

*John L. Frye Scholarship.* For deserving students, with preference given to football participants.

*Allen Erwin Gant Scholarship.* Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

*John L. Georgeo Scholarship.* For both men and women who have high academic success or potential and leadership ability.

*Glen Raven Mills Educational Award.* For worthy students, preferably Glen Raven Mills employees or members of employees' families.

*Mills E. and Katherine B. Godwin Scholarship.* For worthy students in need of assistance and from the Hampton Roads area of Virginia.

*Judge Eugene A. Gordon Scholarship.* For a deserving student from North Carolina or Virginia.

*John S. Graves Scholarship.* For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

*Griswold-Watts Scholarship.* Established by Dr. and Mrs. Frederic T Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

*Robert Kelley and Pearle Jones Hancock Scholarship.* Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

*Dr. Howard S. Hardcastle Memorial Scholarship.* For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

*Harper Scholarship.* In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

*Jesse Weldon Harrington Scholarship.* For Williams High School graduates who have demonstrated leadership and academic achievement.

*Charlotte A. Hebard Scholarship.* The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon Home for Children.

*E. E. Holland Scholarship.* Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

*Holmes Memorial.* Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

*Vitus Reid Holt Scholarship.* For students from the Elon Home for Children.

*A. L. Hook Scholarship.* For deserving students. Special consideration should be given to students who plan to take a course in physical science.

*Huck Finn-Tom Sawyer Tennis Scholarship.* For deserving men and women who are members of the Elon College Tennis teams.

*C. Chester Huey Athletic Scholarship.* Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

*Archie and Adelaide Israel Scholarship.* For deserving students.

*Laura and Nelson Jackson Scholarship.* Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

*Jephson Educational Trust Scholarships.* Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

*Dr. I. W. Johnson Scholarship.* A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

*Virginia Somers Jones Scholarship.* For deserving students.

*John M. Jordan Scholarship.* For a deserving student from Alamance County, preferably with a foster home background.

*Esther Cole and John Robert Kernodle Scholarship.* For above average, honor-type, needy students who study science or music.

*Lecy Martin Kernodle Scholarship.* This bequest provides aid for Alamance County students majoring in education.

*Virginia Beale Kernodle Scholarship.* Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

*Lucian and Lelia King Scholarship.* For deserving students.

*Ralph F. and Florance Walker Kirkpatrick Scholarship.* For a student from Alamance County with an outstanding academic record.

*H. D. and Minnie Trollinger Lambeth Scholarship.* For a student from Alamance County with an outstanding academic record.

*Lee County Scholarship.* For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

*Max Lieberman Scholarship.* For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

*Luther A. and Georgia V. Lineberger Memorial Scholarship.* For qualified and deserving students.

*Long Scholarship.* In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Claude V. and Alva Lee Currin Long Scholarship.* For deserving students, preferably from Alamance County.

*Mills and Mary Alice Luter Scholarship.* For a deserving student preferably from the Elon Home for Children.

*Zebulon and Alma Lynch Scholarship.* Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

*Lynnhaven Colony Congregational Church (UCC) Scholarship.* For deserving students preferably from Lynnhaven Colony Church.



*Sue Boddie Macon Scholarship.* Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

*Winona Morris Madren Scholarship.* For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

*William L. and Beulah McNeill Maness Scholarship.* Established by the Rev. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

*Graham "Doc" Mathis Athletic Scholarship.* For deserving student-athletes in basketball, football and baseball.

*John Z. and Mildred W. McBrayer Scholarship.* For a deserving student from Cleveland County.

*McCrary Scholarship.* Established by Iris and John McCrary for academically talented students who have financial need.

*Moffitt Scholarship.* In memory of Dr. E. L. Moffitt, third president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Jane Belk Moncure Scholarship.* Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

*Moser Scholarship.* For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

*Niagara Church Scholarship.* For needy and worthy students, preferably from Moore County.

*Vivian Wrenn Pell Scholarship.* Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

*Donald W. and Shirley M. Perry Scholarship.* For deserving students from Alamance County.

*L. J. "Hap" Perry Athletic Scholarship.* Established by his sons, for a student from Reidsville Senior High who participates in a sport at Elon.

*Paul C. and Margaret S. Plybon Scholarship.* Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

*Horace Powell Scholarship.* Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

*Rex and Ina Mae Powell Scholarship.* Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon College.

*O. D. Poythress Scholarship.* Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

*The Rev. Lacy M. Presnell, Sr., Memorial Scholarship.* Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.



*Presser Scholarship.* Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

*Emmett H. and Katherine H. Rawles Scholarship.* For academically talented students.

*Japheth E., Jr., and Virginia B. Rawls Scholarship.* For academically talented students.

*Paul Reddish Scholarship.* For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

*Richmond Alumni Chapter Scholarship.* For freshmen students from the Richmond, Va., area.

*George B. and Bessie Holmes Robbins Scholarship.* For deserving students.

*Viola V. and Amos Thornton Rollings Scholarship.* Established by a bequest from the estate of Viola V. Rollings for needy students.

*W. L. Rudd Scholarship and Loan.* Established by W. L. Rudd, to aid needy and worthy Christian students.

*Sanders-Myers Memorial Scholarship.* Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

*James C. Scott Golf Scholarship.* To provide a golf scholarship.

*Zondal Myers Sechrest Scholarship.* For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

*John Duncan Shaw Scholarship.* For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

*Nancy Gordon Sheffield Scholarship.* For a deserving student, preferably from Alamance or Guilford counties.

*Charles E. Shelton Memorial.* Created by the First United Church of Christ of Portsmouth, Virginia, preferably for one or more students from the Tidewater, Virginia, area pursuing full-time Christian vocations.

*Smith Scholarship.* In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. For worthy students.

*Oscar F. Smith Scholarship.* For scholarship assistance to students preferably from Eastern Virginia.

*Somers Scholarship.* Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

*John and Helene Sparks Scholarship for Business.* To aid students in the Department of Business Administration.

*Stadler Country Hams, Inc., Scholarship.* To provide scholarship aid to a deserving student.

*Staley Scholarship.* In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

*Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church.* Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

*Mary Frances Stamey Memorial Scholarship.* Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

*Sigmund Sternberger Scholarships.* Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

*Alda June Stevens Memorial Scholarship.* For worthy students, preferably those preparing for full-time Christian service.

*Elwood E. Stone Scholarship.* Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

*William H. Stratford Scholarship.* Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

*Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships.* Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, New Jersey.

*Rodney E. Taylor Scholarship.* Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

*William Brown Terrell Scholarship.* To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

*Times-News Scholarship.* For present or former Times-News newspaper carriers.

*Lillian Pearl Tuck Endowment.* Established for Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

*Wallace Lincoln Tuck Scholarship.* For needy students.

*Arline Lindsay Tweed Scholarship.* Established by Mrs. Arline Lindsay Tweed to aid qualified students.

*Union United Church of Christ Scholarship.* For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

*Velie Memorial Music Scholarship.* Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

*Thyra Wright Vestal Scholarship.* Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

*Robert Ronald Wagner Memorial Scholarship.* Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

*Wake Chapel Christian Church Scholarship.* For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

*D. C. "Peahead" Walker Scholarship.* Established by gifts from family, friends, and former students, for scholarships in football, basketball, and baseball.

*C. Max Ward Scholarship.* Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

*Clyde. T. and Esther Ward Golf Scholarship.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

*Rachel and Bethany Ward Scholarship.* Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

*William I. Ward, Sr., and David Samuel Ward Scholarship.* Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

*Dudley Ray Watson Scholarship.* Provided by Mr. and Mrs. J. D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

*Watterson-Troxler History Scholarship.* Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

*Colonel Henry E. White Scholarship.* For deserving students.

*Margaret Delilah Bobbitt White Scholarship.* Established by her son, Colonel Henry E. White, for an outstanding student, preferably from Vance County, North Carolina.

*Nellie Glenn White Scholarship.* For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.

*S. S. "Red" Wilson Scholarship.* For basketball and football athletes who maintain a "B" average.

*Youth's Friends Scholarships.* Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

*James R. and Nina B. Young Scholarship.* For worthy academically talented students.

*Mr. and Mrs. John F. Youngblood Scholarship.* Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

# ACADEMIC REGULATIONS

## Degree Requirements

### Degrees and Major Fields

Elon College offers the following degrees and majors fields of study:

Master of Business Administration (M.B.A.)

Master of Education (M.Ed. in Elementary Grades, Middle Grades, or Physical Education)

See the Graduate Catalogs for degree requirements.

Bachelor of Arts (A.B.)

Biology

Chemistry

Computer Information Science

Economics

Education

Elementary (K-4 and 4-6)

Middle Grades (6-9)

Secondary

English

Foreign Languages

General Music

History

Human Services

Journalism

Mass Communication

Mathematics

Music

Office Administration

Philosophy

Physics

Political Science

Psychology

Public Administration

Religion

Science Education

Social Science

Sociology

Bachelor of Science (B.S.)

Accounting

Business Administration

(Management, Finance and

Marketing)

Cytotechnology

Medical Laboratory Technician

Medical Technology

Music Education

Physical Education and Health  
Education

Physical Education: Community  
Recreation

Physical Education: Commercial  
Leisure and Sports Management

Bachelor of Applied Science (B.A.S.)

and Bachelor of Applied Arts (B.A.A.)

Radiologic Technology

Cooperative transfer programs offered to graduates of community colleges and technical colleges.

Associate in Arts (A.A.)

Office Administration

Associate in Science (A.S.)

Medical Laboratory Technician



**Bachelor's Degree Requirements**

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

- 1. Satisfactory work in one major subject.
- 2. Completion of General Studies as follows:
  - a. Foundational Studies.....9
    - (1) English 111, 112 (Freshman English Composition).....6
    - (2) Mathematics 111 (or higher).....3
  - b. Liberal Studies.....31
    - (1) Expression ..... 6
      - Eloquent and creative expression in literature and fine art. Six hours chosen from art, English, fine arts, music, at least three hours of which must be English.
    - (2) Science (Analysis).....7
      - Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
    - (3) Reflection ..... 6
      - Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
    - (4) Civilization ..... 6
      - Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
    - (5) Society.....6
      - Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
  - c. Advanced Studies.....12
    - In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more of the areas.
  - d. Physical Education 160.....2
- 3. Electives
- 4. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

5. Twice as many quality points as credit hours attempted must be earned.
6. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies in those areas.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

For A.B. and B.S. degrees, at least 36 semester hours must be junior-senior level work.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

A student who receives a bachelor's degree from the College and wishes to qualify for another bachelor's degree must earn at least 16 semester hours beyond those required for the first degree and must complete all requirements for an additional major appropriate to the second degree. No student will be awarded two degrees at the same commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

### **The Major**

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. Students in the Medical Laboratory Technician, Music and Radiologic Technology programs should begin their major in their freshman year. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

### **The Minor**

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

### **Associate Degrees**

The associate degree programs are listed in the courses of instruction.

## **General Academic Regulations**

### **Registration and Courses**

#### **Classification**

Classifications are made at the beginning of the college year in September. A sophomore must have removed all entrance conditions and have completed 24 hours of work toward a degree.

A junior must have completed 54 semester hours, and a senior 84 semester hours of work toward a degree.

#### **Course Load**

Twelve hours of college work is considered the normal student load for freshmen. The normal student load for upperclass students is considered to be fifteen hours of college work. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

#### **Course Registration**

Students are expected to register for themselves at the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his advisor consider it essential, a student should not change his schedule after registration.

#### **Auditing Courses**

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$50 for each course.

#### **Changes in Class and Schedule**

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

### **Credit by Examination (Course Challenge)**

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chairman of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$50.00.

### **Dropping Courses**

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Dean of Academic Affairs.

A student who withdraws from the College receives grades of WD (medical withdrawal) or WP and WF depending on his grades at the time of withdrawal.

### **Independent Study**

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students and juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

### **Overload**

A student whose cumulative grade point average is less than 2.00 may not register for overload hours in any term.

### **Pass/Fail Elective Courses**

A student may take two one-semester courses outside the requirements for the major and minor on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and in which they may feel unable to maintain the desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

### **Repeat Courses**

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only



once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

### **Studies Abroad Programs**

Students who participate in Studies Abroad programs may earn credit for no more than three winter term or summer programs. A letter grade is given for the first enrollment. For additional enrollments, (1) pass/fail grades are given and (2) only elective credit is earned. Students who earn pass/fail grades for winter terms or summer Studies Abroad programs will still be permitted to have pass/fail grades in two one-semester courses outside their major/minor requirements.

## **Attendance**

### **Class Attendance**

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. The following is the general plan of attendance regulations:

Each department publishes its own attendance policy. A student who has excessive absences in any class is reported by the faculty member to the Advising Office. Members of the advising staff will confer with the student. If the absences are not excusable, the student will be warned, and his faculty advisor will be apprised of the situation. If unwarranted absences continue, the Dean of Academic Affairs may suspend the student from the class or from the College.

### **Absence From Tests and Examinations**

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

## **Grades and Reports**

### **Grading System and Quality Points**

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade		Quality Points
A	Superior	4
B	Work above average	3
C	Average work	2
D	Work below the average	1
F	Failure	0
I	Incomplete	0
P	Passing (not counted in cumulative average)	0
S	Satisfactory (not counted in cumulative average)	0
U	Unsatisfactory	0
WD	Medical	0
WF	Failing at time of withdrawal (counted in cumulative average)	0
WP	Passing at time of withdrawal	0
NR	No Report	0

The minimum passing grade is "D." A grade of "F" indicates failure.

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

### Grade Point Average

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

### Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

### Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.33 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis are not included in Dean's List eligibility.

### **Graduation With Honors**

Candidates for graduation with an average of 3.87 or more quality points for each credit hour are graduated *summa cum laude*; those with 3.67 or above, *magna cum laude*; and those with 3.33 or above, *cum laude*. The average for honors is computed on all work attempted in college whether at Elon or another institution.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of 21 semester hours of Honors courses and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

### **Student Access to Educational Records**

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

### **Transcripts of Student Records**

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

### **Work at Other Institutions**

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. He will give such permission for work only in a fully accredited institution. Credit is allowed only for college level courses which also are allowed toward graduation by the institution conducting the summer school. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

## **Academic Standards and Withdrawal**

### **Academic Warning, Probation and Suspension**

At least a "C" average (grade point average of 2.00) is necessary to satisfy the College's academic requirements. Each student whose cumulative grade point average is less than 2.00 will automatically be placed on some level of academic deficiency. Records of these students, as well as those whose grades in any semester fall below 2.00, are reviewed by the Academic Standing Committee. The Committee will (1) place the student on academic warning, (2) place the student on academic probation (a more serious deficiency), or (3) suspend the student. A student with serious grade deficiencies is eligible for suspension action at any time after the completion of one full-time semester of attendance.

Students on academic warning or probation are expected to show significant improvement in their next semester or term. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester. The Committee removes from warning the students whose cumulative grade point averages improve to at least 2.00. The Committee removes from probation and changes to warning (or clear standing) students whose cumulative grade point averages improve sufficiently. The Committee asks those who do not show adequate improvement to discontinue their studies. One academic semester must elapse before students suspended for failure to maintain normal academic progress are eligible for reinstatement. Applications for reinstatement are available from the Admissions Office. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

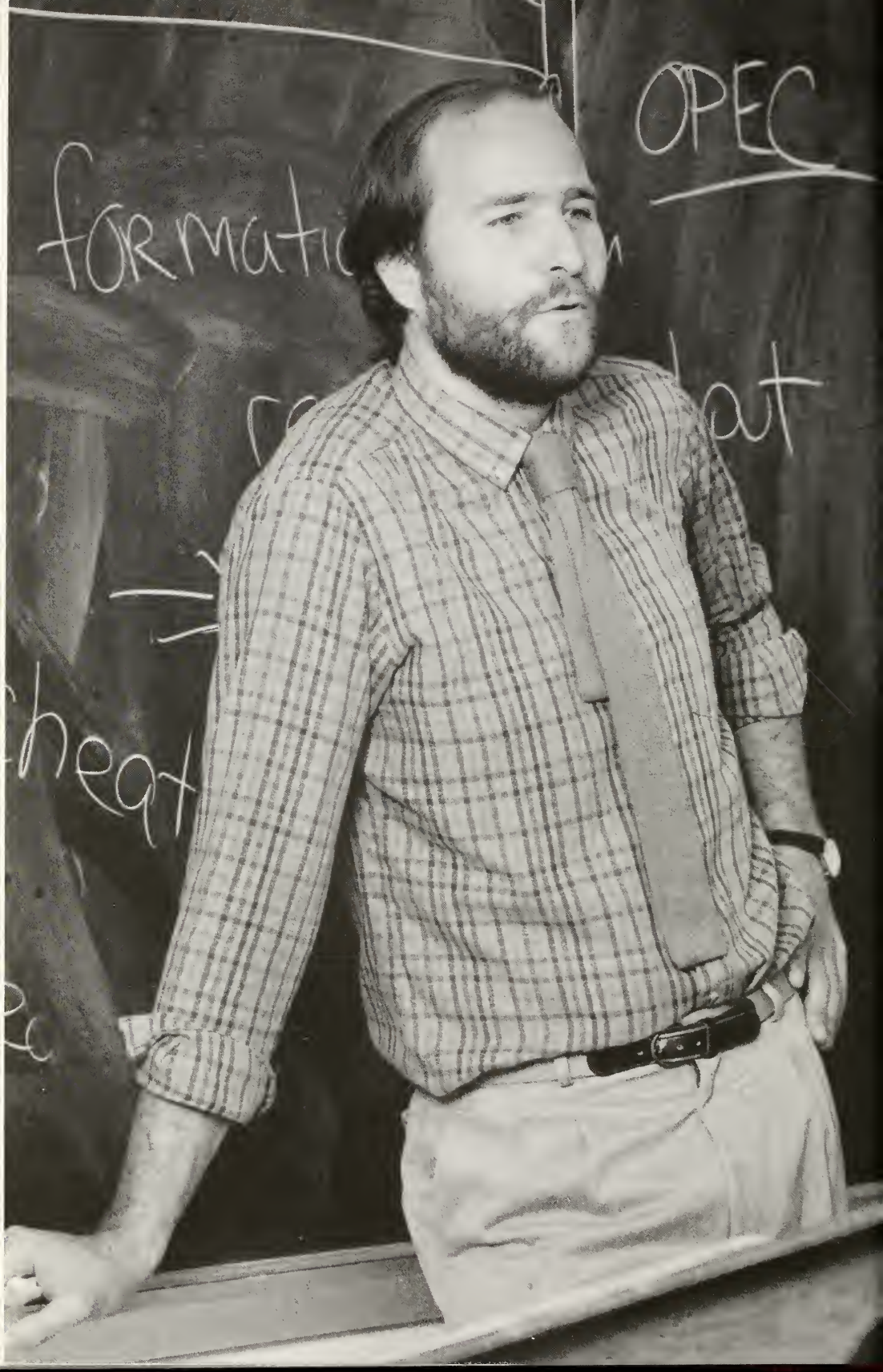
### **Dismissal**

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

### **Leave of Absence and Withdrawal**

If a student for any reason concludes that he must leave the College on a temporary or long term basis, he must confer with the Dean of Student Affairs and the Dean of Academic Affairs to formalize his plans. If he wishes to be absent for as long as two semesters, he may request a leave of absence under which he may automatically return to the College at a time mutually acceptable. Faculty will be requested to report student progress in class at the time a leave is granted by indicating either a WP or WF grade. The official record of the student cannot be cleared until action—either leave or withdrawal—is complete.





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# Courses of Instruction

## Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, English, Fine Arts, Journalism, Languages, Mass Communication, Music, Philosophy, Religion
Division of Sciences and Mathematics	Biology, Chemistry, Computer Information Science, Cytotechnology, Mathematics, Physics, Medical Laboratory Technician, Medical Technology and Radiologic Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Office Administration, Cooperative Education, and Sociology
Division of Teacher Education, Physical Education, and Health.	Education, Physical Education, Psychology, Recreation, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

## MARTHA AND SPENCER LOVE SCHOOL OF BUSINESS

### ACCOUNTING

*Director of Love School of Business:*

*Associate Professors:* Oliver, Coltrane

*Assistant Professors:* Brock, Gibney

*Instructor:* McNamee

*Part-time Professor:* Sanders

A major in Accounting requires Accounting 211, 212, 331, 332, 336, 337, 441, 451, 452, and 456; Business Administration 321, 322, 323, 343, and 412. Additional course requirements are Computer Information Science (3 semester hours); Economics 211, 212, 246, 347; and Mathematics 111 and 165 (or calculus sequence).

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other upper level accounting courses.

**211. FINANCIAL ACCOUNTING PRINCIPLES****4 semester hours**

An introduction to double-entry accounting with emphasis upon conceptual framework; the structure of the accounting profession; and the recording, analysis, and external reporting of financial data. Income measurement and financial position of proprietorships, partnerships, and corporations are discussed.

**212. MANAGERIAL ACCOUNTING PRINCIPLES****4 semester hours**

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Prerequisite: ACC 211.

**331. INTERMEDIATE ACCOUNTING I****3 semester hours**

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisites: ACC 211, 212.

**332. INTERMEDIATE ACCOUNTING II****3 semester hours**

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331

**336. COST ACCOUNTING****3 semester hours**

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C—V—P analysis. Prerequisites: ACC 211, 212.

**337. CORPORATE TOPICS IN ACCOUNTING****3 semester hours**

Complex issues in financial accounting with emphasis upon corporate capital structure. Also included are pension plan accounting; capital leases; accounting for income taxes; and statement of change in financial position. Prerequisites: ACC 332

**441. BASIC TAXATION****3 semester hours**

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisites: ACC 211.

**442. ADVANCED TAXATION****3 semester hours**

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 441.

**451. ADVANCED ACCOUNTING I****3 semester hours**

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332.

**452. ADVANCED ACCOUNTING II****3 semester hours**

Specialized accounting problems. Partnerships, corporate liquidations, estates and trusts, and accounting for foreign operations are emphasized. Prerequisites: ACC 451.

**456. AUDITING****3 semester hours**

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisites: ECO 246, ACC 332.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of reading problems, reports, discussions of current topics, and CPA review. Participation by students, departmental faculty, and other resource persons.

**491. INDEPENDENT STUDY****1-3 semester hours**



## BUSINESS ADMINISTRATION

*Director of Love School of Business:*

*Professor: Marr, Shotzberger*

*Associate Professors: Baxter, Tiemann, Toney, Weavil, McClellan, Mitchell*

*Assistant Professors: Wood, Howren*

*Instructor: McNamee*

A major in Business Administration requires Business Administration 311, 321, 323, 328, 343, and 423; Accounting 211, 212 and 336; Computer Information Science (3 semester hours), Economics 211, 212, 246, and 321; Mathematics 111 and 165 (or calculus sequence). In addition the student must complete one of the following emphasis areas: *Management*—Business Administration 325, 412, 426; *Finance*—Business Administration 413, 421, Economics 331; *Marketing*—Business Administration 312, 313, 316. One additional 3 semester hour course must be completed from concentration-related junior-senior level Business Administration, Accounting and/or Economics courses.

A minor in Business Administration requires Business Administration 311, 323; Accounting 211, 212; and Economics 211, 212.

Successful completion of BA 351 qualifies one to take the North Carolina Salesman Examination.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to the Graduate Catalog available from the Admissions Office.

### 111. INTRODUCTION TO ACCOUNTING AND BUSINESS FINANCE 3 semester hours

Principal emphases are on simple and compound interest concepts and applications. Various financial accounting concepts are used to introduce the study of basic financial statements.

### 302. BUSINESS COMMUNICATIONS 3 semester hours

(Same course as OA 302. See OA 302 for description.)

### 311. PRINCIPLES OF MARKETING 3 semester hours

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisites: ECO 211, 212.

### 312. MARKETING RESEARCH 3 semester hours

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: BA 311, ECO 246.

### 313. ADVERTISING 3 semester hours

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311 or permission of instructor.

### 316. MARKETING CHANNELS 3 semester hours

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisite: BA 311 or permission of instructor.



**321. LEGAL ENVIRONMENT OF BUSINESS****3 semester hours**

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors.

**322. COMMERCIAL LAW****3 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only.

**323. PRINCIPLES OF MANAGEMENT****3 semester hours**

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory.

**325. PERSONNEL ADMINISTRATION****3 semester hours**

A study of the basic personnel practices, objectives, functions, and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 323.

**328. ORGANIZATIONAL BEHAVIOR****3 semester hours**

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 323.

**341. FINANCIAL INTERMEDIARIES****3 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisites: ECO 211, 212.

**343. MANAGERIAL FINANCE****3 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisites: ACC 211, 212; ECO 211, 212, 246.

**351. FUNDAMENTALS OF REAL ESTATE****3 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212, ECO 211, 212, or permission of instructor.

**353. REAL ESTATE FINANCE****3 semester hours**

A survey of the principles, concepts, and techniques of effective real estate investment. Financing and forms of ownership are significant topics. Various tax provisions are emphasized. Prerequisite: BA 351 or permission of instructor.

**355. REAL ESTATE INVESTMENT****3 semester hours**

The course stresses the importance of real estate as an investment vehicle which competes for funds in the market place. Financing and income tax considerations are introduced, and some computer analysis is used in evaluating potential investments. Prerequisite: BA 351 or 353 or permission of instructor.

**412. OPERATIONS RESEARCH****3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisites: ECO 246 and senior status.

**412. OPERATIONS RESEARCH**

**3 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisites: ECO 246 and senior status.

**413. ADVANCED MANAGERIAL FINANCE**

**3 semester hours**

An indepth study of financial management from the perspective of valuative theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343.

**416. FUNDAMENTALS OF INSURANCE**

**3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bonds, and automobile insurance.

**421. INVESTMENT PRINCIPLES**

**3 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisites: ACC 211, 212, ECO 211, 212.

**422. BUSINESS AND SOCIETY**

**3 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state, and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

**423. BUSINESS POLICY**

**3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decision simulation exercises. Prerequisites: BA 311, 328, 343 and senior classification.

**426. PRODUCTION AND OPERATIONS MANAGEMENT**

**3 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisites: BA 323, ECO 211, 212, 246.

**445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT**

**3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisites: ACC 211, 212, ECO 211, 212, or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Advanced study consisting of readings, reports, and discussions of special topics. Participation by students, faculty, and other resource persons.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## OFFICE ADMINISTRATION

*Director of Love School of Business:*

*Associate Professor:* Weavil

A four-year major in Office Administration requires Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 311, 321, 323, 325, 328; Accounting 211, 212; Economics 211, 212; Computer Information Science 111; plus 3 additional semester hours at the 300-400 level chosen from Office Administration, Business Administration, Accounting, Economics, or Computer Information Science.

The requirements for the Associate in Arts degree in Office Administration are: Office Administration 111, 112, 113, 114, 302, 311, 321; Business Administration 111, 321, 323; English 111, 112; Mathematics 111; Computer Information Science 111; Accounting 211, 212; Economics 211; Physical Education 160; plus electives to reach a minimum of 63 semester hours. In both the four-year program and the Associate program a student having prior preparation equivalent to Office Administration 111, 112, 113 and/or 114 may substitute electives for these courses by demonstrating proficiency.

A minor in Office Administration requires Office Administration 111, 112, 113, 114, 311, 302 or 321; and Business Administration 323.

### 111. TYPING I

3 semester hours

Designed to develop basic skills in the operation of a typewriter. Course emphasizes the typing of letters, tabulations, office forms, manuscripts. Five class hours per week.

### 112. TYPING II

3 semester hours

Reinforcement of basic skills with continued development of speed and accuracy. Students prepare finished letters, forms, reports, manuscripts, and tabulations. Five class hours per week.

### 113. OFFICE PROCEDURES

3 semester hours

Emphasis is on the professional roles of the administrative assistant in today's business world. Topics include reviewing language arts' skills, processing office mail, utilizing proper telephone techniques, developing interpersonal skills, making travel arrangements, planning and facilitating meetings, and enhancing personal and professional growth.

### 114. WORD PROCESSING APPLICATIONS

3 semester hours

Designed to help students develop proficiency in the following skills: rough draft speed typing and subsequent revisions, keyboarding material from hand written and rough-draft copy, keyboarding material for storage and retrieval, arranging statistical material, and preparing multiple copies. Prerequisites: OA 112 and Word Processing competency.

### 302. BUSINESS COMMUNICATIONS

3 semester hours

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda. (OA 302 is the same as BA 302.)

### 311. INFORMATION PROCESSING AND MANAGEMENT

3 semester hours

Designed to enable students to understand and apply the techniques and procedures involved in creating, processing, retaining and distributing information. Topics include machine communication/transcription procedures, records management reprographics, micrographics, and word processing. Prerequisites: OA 111 and Word Processing competency.

### 321. ADMINISTRATIVE OFFICE MANAGEMENT

3 semester hours

Study of the critical issues facing administrative office managers in a constantly changing technological environment.

### 481. INTERNSHIP IN OFFICE ADMINISTRATION

1-3 semester hours

## ART

*Chairman, Department of Fine Arts:* Associate Professor Bravender

*Associate Professor:* Daniel

*Part-time Instructors:* J. Henricks, Kinard

A minor in Studio Art requires Art 111, 113, 221, 223, 491 (3 semester hours); plus 6 semester hours selected from Art 103, 104, 211, 213, 214, 311, 312, 491.

### **103. CERAMICS I**

**3 semester hours**

Techniques in working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

### **104. CERAMICS III**

**3 semester hours**

A continuation of Art 103, which is a prerequisite. Materials fee: \$10.00.

### **111. DESIGN I**

**3 semester hours**

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$5.00.

### **112. DESIGN II**

**3 semester hours**

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

### **113. DRAWING**

**3 semester hours**

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours.

### **211. PAINTING: OILS, ACRYLIC I**

**3 semester hours**

Experimental studies in the techniques of painting and composition using various media. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

### **212. PAINTING: OIL, ACRYLIC II**

**3 semester hours**

A continuation of Art 211, which is a prerequisite. 1 hour of lecture and 5 studio hours.

### **213. PAINTING: WATERCOLOR I**

**3 semester hours**

Experimental studies in the various techniques of painting with watercolor. Prerequisite: Art 111 or 113. 1 hour of lecture and 5 studio hours.

### **214. PAINTING: WATERCOLOR II**

**3 semester hours**

A continuation of Art 213, which is a prerequisite.

### **221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES**

**3 semester hours**

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 221 is the same as FA 221.)

### **223. HISTORY OF ART: RENAISSANCE TO THE PRESENT**

**3 semester hours**

Historical survey of the major visual arts from the Renaissance to the present. Emphasis is on major artistic styles, their origin and development; major works of art and their creators. (Art 223 is the same as FA 223.)

### **261. ART EDUCATION FOR ELEMENTARY GRADES**

**3 semester hours**

Methods and materials, principles, and fundamentals of art used in the elementary grades. 2 hours of lecture and 1 studio hour. Materials fee: \$5.00.



**311. GRAPHICS I****3 semester hours**

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 111. 1 hour of lecture and 5 studio hours. Materials fee: \$10.00.

**312. GRAPHICS II****3 semester hours**

A continuation of Art 311, which is a prerequisite. Materials fee: \$10.00.

**491. STUDIO PROBLEMS****1,2, or 3 semester hours**

Individual study and experimentation. Open to students at all levels, with permission of the Art faculty only. Maximum credit allowed toward a degree is 6 semester hours.

**BIOLOGY**

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Associate Professor:* Rao, N. Harris

*Assistant Professors:* Fields, Plumblee, Sissom

*Part-time Instructor:* Gallucci

A major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and at least 6 additional semester hours in Biology; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114 and 321, 322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses approved for major credit.

**111. BASIC CONCEPTS IN BIOLOGY****3 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**113. LAB FOR BASIC CONCEPTS IN BIOLOGY****1 semester hour**

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

**221. GENERAL ZOOLOGY****4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**222. GENERAL BOTANY****4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

**265. HUMAN ANATOMY AND PHYSIOLOGY****4 semester hours**

The structure and function of the human body including the cellular, skeletal, muscular, nervous, endocrine, respiratory, circulatory, metabolic, renal and reproductive aspects. 3 class hours, 1 laboratory per week. No credit Biology major. Prerequisite: BIO 111 or CHM 111.

**301 ENVIRONMENTAL CONSERVATION****3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. No credit toward Biology major or minor. Prerequisite: A previous lab science course.

**311. COMPARATIVE VERTEBRATE EMBRYOLOGY****4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221.

**312. COMPARATIVE VERTEBRATE ANATOMY****4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 311 or permission of instructor.

**321. MICROBIOLOGY****4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 111, 112.

**322. CELLULAR BIOLOGY****4 semester hours**

Ultrastructure of typical eucaryotic and procaryotic cells and their relationship between structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis, and protein synthesis are included. Also discussed are general properties of viruses, control of cellular differentiation, growth and development, and molecular genetics. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 222, CHM 321, 322.

**325. HUMAN HISTOLOGY****4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221 or BIO 265.

**335. FIELD BIOLOGY****4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

**341. ANIMAL PHYSIOLOGY****4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221 or 265, CHM 111, 112.

**342. PLANT PHYSIOLOGY****4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. Offered alternate years. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, CHM 111, 112.

**345. GENETICS****4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

**391. RESEARCH****1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

**425. BIOCHEMISTRY****3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221, CHM 321, or permission of instructor. Offered alternate Winter Terms. (BIO 425 is the same as CHM 425.)

**452. GENERAL ECOLOGY****4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

**461. SENIOR SEMINAR I****2 semester hours**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to senior biology majors or by permission of the instructor.

**462. SENIOR SEMINAR II****2 semester hours**

A seminar in which students and faculty select, prepare, present and discuss biological topics.

**481. HEMATOLOGY AND COAGULATION****6 semester hours**

Lectures and clinical practice in formation, identification and pathology of blood, cells and coagulation factors. In-depth discussions of hematopoiesis, proliferative disorders, hemoglobin metabolism, anemias and hemostasis plus the analytic techniques and correlations to laboratory data. Phlebotomy and specimen collection are included in this course.

**482. CLINICAL MICROBIOLOGY****7 semester hours**

Detailed didactic and practical study of bacteria, fungi, viruses, parasites and other organisms which cause human disease. Safety, general and special techniques, antibiotic susceptibility testing, quality control and media preparation are emphasized.

**483. URINALYSIS AND BODY FLUIDS****2 semester hours**

This course provides practical and didactic experience in the routine and special analysis of urines and other body fluids with emphasis on how the results relate to human disease. Normal and abnormal physiology are also emphasized.

**484. IMMUNOHEMATOLOGY****4 semester hours**

The theoretical and practical aspects of blood group serology are discussed in detail with particular attention to the various blood groups and their significance in transfusion, components of the blood, donor selection, compatibility testing, identification of unusual antibodies, transfusion practice and quality control.

**485. CLINICAL CHEMISTRY****7 semester hours**

The study and practice of laboratory methods, equipment and how these are used to assay biochemical components of blood and other body fluids. Detailed study of the instrumentation used in clinical laboratories including principles, troubleshooting, quality control and method evaluation is included.

**486. CLINICAL IMMUNOLOGY****4 semester hours**

This course includes basic immunology, the cellular and molecular basis of immunity and immunodiagnosics, the principles of antigen-antibody interaction in vivo and in vitro plus discussions about hypersensitivity, immune malignancies and immune deficiencies. The correlation of immunodiagnostic test results to disease states is stressed.

**487. CLINICAL SEMINAR****2 semester hours**

This course includes topics in management, education and clinical medicine conducted by the hospital faculty and staff for students in the Medical Technology curriculum.

## CHEMISTRY

*Chairman, Department of Physical Sciences:* Associate Professor F. Harris  
*Professor:* Danieleley

*Assistant Professor of Science Education:* Agnew

*Instructors:* Holland, Baunach

A major in Chemistry requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 361, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computer Information Science 111.

A minor in Chemistry requires Chemistry 111, 112, 113, 114 and twelve semester hours of Chemistry above the 100 level.

### 101. BASIC CONCEPTS IN CHEMISTRY

4 semester hours

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry of selected elements, organic chemistry. Three class hours, two lab hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

### 103. BASIC CONCEPTS IN GEOLOGY

4 semester hours

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours, 2 laboratory hours. No credit toward the Chemistry major or minor.

### 110. INTRODUCTION TO CHEMISTRY

3 semester hours

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 111 or 101. No credit toward Chemistry major or minor.

### 111, 112. GENERAL CHEMISTRY I AND II

3 semester hours each semester

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.

### 113, 114. LABS FOR GENERAL CHEMISTRY I AND II

1 semester hour each semester

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. To be taken concurrently with 111, 112.

### 221. QUANTITATIVE ANALYSIS

4 semester hours

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours.

### 222. INORGANIC CHEMISTRY

4 semester hours

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours.

### 301. PHYSICAL SCIENCE AND SOCIETY

3 semester hours

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach.

### 321, 322. ORGANIC CHEMISTRY I AND II

4 semester hours each semester

Chemistry of the compounds of carbon. Aliphatic, aromatic, alicyclic, and heterocyclic com-



pounds are studied as to importance, methods of preparation, electronic structure, chemical and physical properties, and industrial and medicinal use. Laboratory work consists of preparation, purification, properties, and qualitative identification of typical compounds. 3 class hours, 3 laboratory hours.

**361. CHEMICAL LITERATURE****1 semester hour**

Instruction and practice in the use of the literature of chemistry.

**391. INDEPENDENT STUDY****1-2 semester hours**

Library and/or laboratory study by the individual student. Open to students at all levels. Prerequisite: permission of the Chemistry staff. Maximum credit, 8 semester hours.

**411. PHYSICAL CHEMISTRY****4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours.

**421. INSTRUMENTAL ANALYSIS****4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours.

**425. BIOCHEMISTRY****3 semester hours**

(Same course as BIO 425. See BIO 425 for description.)

**461. SPECIAL TOPICS****1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.

**471. SEMINAR****1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists.

## COMMERCIAL LEISURE AND SPORTS MANAGEMENT

The Commercial Leisure and Sports Management Program is listed under Physical Education and Health.

## COMMUNICATIONS

*Chairman, Department of Literature, Languages and Communications:*  
Professor Gill.

*Professor:* Bland

*Associate Professor:* Rassmussen

*Assistant Professors:* Nowell, Johnson, Grady

A major in Journalism requires Journalism/Mass Communication 210, 220, 225, 226, 228, 325, 381, 420, plus 15 semester hours (excluding practical experience) of Journalism/Mass Communication courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A major in Mass Communication requires Journalism/Mass Communication 210, 220, 225, 245, 255, 345, 382, and 420; plus 15 semester hours (excluding practical experience) of Journalism/Mass Communication courses at the 300-400 level. Additional requirements are 9 semester hours of English courses at the 300-400 level.

A minor in Journalism or Mass Communication requires four courses chosen from Journalism/Mass Communication 210, 220, 225, 245, 255; plus 9 semester hours of Journalism/Mass Communication courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Mass Communication practical experience.

**101. PARLIAMENTARY PROCEDURE**

**1 semester hour**

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

**210. PUBLIC SPEAKING**

**3 semester hours**

The fundamentals of public speaking: principles in non verbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

**220. INTRODUCTION TO MASS COMMUNICATION**

**3 semester hours**

A survey of the history of mass media—newspapers, magazines, book publishing, films, the recording industry, radio, television and cable—with special emphasis on media as social institutions, economics of the media, and technological developments in media.

**225. REPORTING AND NEWS WRITING**

**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

**226. FEATURE WRITING**

**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JMC 225.

**228. PHOTOJOURNALISM**

**3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed. Prerequisites: PHY 103 or permission of instructor.

**245. RADIO BROADCASTING**

**3 semester hours**

An introduction to broadcasting, including the history, regulation, ethics, physics, and capabilities of radio as a mass medium. Coursework includes scripting, newswriting, announcing, interviewing, and production techniques.

**251. COMMUNICATIONS STUDIES ABROAD**

**3 semester hours**

**255. TELEVISION PRODUCTION**

**3 semester hours**

An introduction to television as a channel of communications, this course examines the history, development, ethics, technology, and aesthetics of teleproduction. A lecture-lab format allows students hands-on experience with the latest video equipment.

**325. NEWS EDITING AND LAYOUT****3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JMC 225.

**345. BROADCAST JOURNALISM****3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JMC 245.

**355. WRITING FOR TELEVISION****3 semester hours**

An advanced writing and productions course allowing students to develop their writing skills in the areas of news, features, sports, commentary, comedy and drama, documentary or docudrama, and adaptation of books and plays for broadcast. Prerequisite: JMC 345.

**360. INTERNATIONAL COMMUNICATIONS****3 semester hours**

An examination of the media system of many countries, stressing the chief problem of communication across cultural, economic, sociological and political barriers.

**362. A STUDY OF FILMS****3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

**365. RADIO PRODUCTION****3 semester hours**

An advanced study of radio production techniques, including editing, music and sound effects, mixes and fades, signal processing and multi-channel production. Coursework includes announcing, commercial, news and documentary production. Prerequisite: JMC 245.

**371. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Broadcast Performance, Rock Music and Mass Media.

**381. PRACTICUM IN JOURNALISM****1-3 semester hours**

Work experience at an advanced level in some aspect of print journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 255 and permission of instructor.

**382. PRACTICUM IN MASS COMMUNICATION****1-3 semester hours**

Work experience at an advanced level in some aspect of broadcast journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JMC 245 or 255 and permission of instructor.

**420. LAW AND ETHICS OF MASS COMMUNICATION****3 semester hours**

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulation of broadcasting content.

**426. EDITORIAL WRITING****3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JMC 225.

**450. CRITICISM OF BOOKS, PLAYS, TELEVISION AND FILMS****3 semester hours**

Interpretation and evaluation of current literature and several critical methods with which such works may be approached. Practice in criticism and reviewing.

**491. INDEPENDENT STUDY****1-3 semester hours**

## COMPUTER INFORMATION SCIENCE

*Coordinator of Computer Information Science Program:* Professor W. Hightower

*Professor:* Francis

*Associate Professors:* Alexander, Eyl

*Assistant Professors:* Carpenter, Plumblee, Reichard, V. Hightower

*Instructors:* Murphy, Richardson

A major in Computer Information Science requires 37 semester hours of Computer Information Science courses which include 111, 131, 232, 241, 331, 332, 341, 342, plus 9 semester hours at the 300-400 level (six of which must be at the 400 level), plus additional course(s). Additional requirements are one 3 semester hour course in statistics and Mathematics 111, 112, 121, 221, and 311. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

A minor in Computer Information Science requires Computer Information Science 111, 121, 131, 222 or 232, one 3 semester hour course in statistics, and two additional Computer Information Science courses at the 300-400 level. Students who have a computer science background may exempt Computer Information Science 111 by demonstrating proficiency.

For instructional purposes the College has a DEC11/34 computer with extensive software and a collection of networked IBM-PC's. Cooperative Education placements in Computer Information Science are available in area and regional businesses and industries.

### **111. INTRODUCTION TO COMPUTERS AND DATA PROCESSING** 3 semester hours

An introduction to basic computer concepts: terminology, history, organization, hardware, and software. Elementary concepts of systems analysis and design; program design and flowcharting. The student will study procedures for interactive program execution utilizing the BASIC computer language.

### **121. COBOL PROGRAMMING I** 4 semester hours

An introduction to the use of computers in business applications utilizing the COBOL programming language. Structured programming techniques will be stressed. A weekly lab will be an integral part of the course. Prerequisites: CIS 111 and MTH 111 or permission of instructor.

### **131. PROGRAMMING AND ALGORITHM DEVELOPMENT I** 4 semester hours

An introduction to problem solving methods and algorithm development using a high level programming language (PASCAL). Experience in the design, coding, debugging and documentation of programs using structured programming techniques. Three lectures and one lab session per week. Prerequisites: MTH 111 and CIS 111 or permission of instructor.

### **171. SPECIAL TOPICS** 1-3 semester hours

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from word processing, personal finance, and other introductory software packages. Prerequisites may be specified for certain software packages.

### **222. COBOL PROGRAMMING II** 3 semester hours

A continued study of the COBOL programming language incorporating program design and techniques of file processing. Prerequisite: CIS 121.

### **232. PROGRAMMING AND ALGORITHM DEVELOPMENT II** 3 semester hours

A continuation of the development of problem solving methods, using PASCAL. Algorithmic analysis is introduced. An introduction to the basic aspects of string processing, recursion, internal search/sort methods and simple data structures. Prerequisite: CIS 131, Corequisite: CIS 241.



**241. LOGIC AND DISCRETE MATHEMATICS****3 semester hours**

(Same course as MTH 241. See MTH 241 for description.)

**260. SPSS****2 semester hours**Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisite: 3 semester hours of statistics or permission of instructor.**315. NUMERICAL ANALYSIS****3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CIS 131, MTH 311, and MTH 321 or permission of instructor. (CIS 315 is the same as MTH 315.)

**321. SYSTEMS ANALYSIS AND DESIGN****3 semester hours**

An in-depth study of the analysis, design and implementation of computer systems. Student projects incorporate practical approaches to solving business problems through case studies. Prerequisite: CIS 121.

**322. MANAGEMENT INFORMATION SYSTEMS****3 semester hours**

An in-depth study of management-oriented information systems: theory and practice. Study of information system impact on organizations and personal life in a computer-oriented society. An integral part of the course is the involvement of students in reading current journals and reporting in class. Prerequisite: CIS 321.

**331. DATA STRUCTURES****3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CIS 232.

**332. FILE PROCESSING****3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CIS 331.

**341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE I****3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Prerequisite: CIS 131.

**342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE II****3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CIS 341.

**351. DISCRETE STRUCTURES****3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity. Prerequisites: MTH 311, CIS 241 and CIS 111. (CIS 351 is the same as MTH 351.)

**371. SPECIAL TOPICS****1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available data base, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CIS 222 or 232 or permission of instructor.

**421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE****3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CIS 331.

**431. DESIGN OF DATA BASE MANAGEMENT SYSTEMS****3 semester hours**

Introduction to the general principles of database design concepts. The role of models (relational, network, hierarchical, semantic) in the design process. Data normalization. Data manipulation languages. Prerequisite: CIS 332.

**435. ORGANIZATION OF PROGRAMMING LANGUAGES****3 semester hours**

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Corequisite: CIS 332.

**441. COMPUTER ARCHITECTURE AND SYSTEMS PROGRAMMING****3 semester hours**

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CIS 342. Corequisite: CIS 332.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information science. Prerequisite: Permission of instructor.

**491. INDEPENDENT STUDY****1-3 semester hours**

## COOPERATIVE EDUCATION

The Cooperative Education Program (Co-op) is designed to enable qualified Elon students in selected curricula to combine classroom theory with professional work experience while completing their degrees.

A Co-op student may work either two terms in a full-time job or for a maximum of six terms in a part-time job with an employer selected and/or approved by the College. The student is contacted periodically each term by the co-op faculty coordinator in addition to receiving the employer's supervision.

Credit hours for co-op periods are based on the average number of hours worked per week during the term. Semester credit hours for a part-time or 'Parallel' co-op experience vary from one to three, and a full-time experience awards four credits.

Any students who are enrolled in curricula offering the Cooperative Education Program and have completed a minimum of 50 semester hours are eligible to enter provided they meet the following requirements:

1. have Co-op faculty coordinator's recommendation.
2. have a minimum 2.50 GPA in related area.
3. complete the classroom course COE-210 — Introduction to Cooperative Education — either prior to or during first work term.
4. have approval from Co-op Director.

Interested students are encouraged to contact the Co-op Office for more information.

**210. INTRODUCTION TO COOPERATIVE EDUCATION****1 semester hour**

A study of cooperative work experience education. All phases of the program are reviewed with particular attention devoted to preparing the student for entry into the world of work.

**381-386. CO-OP WORK EXPERIENCE****1-4 semester hours**

This series of courses provides the student with either a part-time or full-time work experience. The student learns by applying classroom/lab theory and skills in a job related to the degree major and/or career objectives. Prerequisite: Full admission to the Co-op Program.

## CYTOTECNOLOGY

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House

*Medical Director:* Adjunct Professor Peace

*Program Director:* Greene

Elon College offers a Bachelor of Science degree in Cytotechnology in cooperation with Roche Biomedical Laboratories, Inc., of Burlington. The Cytotechnology Program is designed to meet the needs of students preparing for positions as Cytotechnologists in hospitals, clinics, commercial laboratories, and private physicians' laboratories. The work of the senior year (12 months) is given primarily at Roche Biomedical Laboratories.

The requirements for the Bachelor of Science degree are as follows: Cytotechnology 411, 412, 421, 422, 423, 424, 425, 426, 427, 428, 471, 481, 482, 483, 484, 485, 486; Biology 111, 113, 221, 265, 311, plus 8 semester hours chosen from Biology 321, 322, 341, 345, 425; Chemistry 111, 112, 113, 114, 321, 322; and Physics 111, 115, or 112, 116.

Successful completion of the academic program does not automatically assure admission to the clinical studies since class size at Roche Biomedical Laboratories is limited.

Students successfully completing the program are eligible to take the registry examination administered by the American Society of Clinical Pathologists (ASCP).

Transfer students who have successfully completed an approved precytotechnology program may enter directly into the Cytotechnology courses at Elon College.

### **411. ELEMENTARY CYTOLOGY**

**2 semester hours**

General fundamentals of cell structure and embryology as related to the field of cytology. Includes orientation to the field of cytology and the role of the cytotechnologist in health care delivery. Lectures and laboratory.

### **412. CLINICAL MICROSCOPY**

**1 semester hour**

The care and use of the light microscope. Lectures and laboratory.

### **421. CYTOLOGY AND PATHOLOGY OF THE FEMALE GENITAL SYSTEM**

**6 semester hours**

Cytology of the female genital tract in health and disease. The study of cells in normal, benign, and malignant stages of development. Lectures and laboratory. Prerequisites: CYT 411, 412.

### **422. CYTOLOGY AND PATHOLOGY OF THE RESPIRATORY SYSTEM**

**3 semester hours**

Cytology of the respiratory system in health and disease. Study of the cell in normal conditions, in benign and malignant pathological conditions. Lectures and laboratory. Prerequisites: CYT 411, 412.

### **423. CYTOLOGY AND PATHOLOGY OF THE BODY CAVITY FLUIDS**

**3 semester hours**

Cytology of the pericardial, pleural, and abdominal cavities and cerebral spinal fluid. Lectures and laboratory. Prerequisites: CYT 411, 412.

### **424. CYTOLOGY AND PATHOLOGY OF THE URINARY TRACT AND MALE GENITAL SYSTEM**

**2 semester hours**

Study of the normal, benign, and malignant cell changes as they occur in health and disease of the urinary tract and male genital system. Prerequisites: CYT 411, 412.

**425. CYTOLOGY AND PATHOLOGY OF THE ALIMENTARY TRACT** 2 semester hours  
Study of the cytology of the alimentary canal in health and disease. Lectures and laboratory. Prerequisites: CYT 411, 412.

**426. CYTOLOGY AND PATHOLOGY OF THE BREAST** 1 semester hour  
Cytology of breast secretion and aspirates. Cell changes resulting from benign diseases and malignant tumors. Lectures and laboratory. Prerequisites: CYT 411, 412.

**427. SPECIAL METHODS IN CYTOLOGY** 2 semester hours  
Endometrial sampling techniques and aspiration biopsy cytology. Prerequisites: All lower numbered CYT courses, lectures and laboratory.

**428. CYTOPREPARATORY TECHNIQUES AND RECORD KEEPING** 2 semester hours  
Routine methods in cytology including specimen processing, staining, and record keeping. Lectures and laboratory.

**471. SEMINAR** 1 semester hour  
Literature search and presentations of individual student projects.

**481. DIAGNOSTIC PRACTICUM I** 1 semester hour  
Supervised prescreening of gynecologic tract specimens.

**482. DIAGNOSTIC PRACTICUM II** 1 semester hour  
Supervised prescreening of respiratory tract specimens; continued prescreening of a small number of gynecologic tract cases. Prerequisites: CYT 411, 412, 421, and 481.

**483. DIAGNOSTIC PRACTICUM III** 2 semester hours  
Supervised prescreening of specimens from urinary and alimentary tracts, breast and body cavity fluids, and miscellaneous body sites. Prerequisite: CYT 482.

**484. ADVANCED PRACTICUM I** 3 semester hours  
Supervised prescreening of undiagnosed gynecologic and nongynecologic specimens with increasing student proficiency requirements. Prerequisite: CYT 483.

**485. ADVANCED PRACTICUM II** 3 semester hours  
Advanced practice of cytotechnology. Prerequisite: CYT 484.

**486. CYTOPREPARATORY TECHNIQUES II** 1 semester hour  
Supervised rotation in the cytopreparatory laboratory. Prerequisite: CYT 428.

## DANCE

The Dance program is listed under Fine Arts and Physical Education.

## DRAMA

The Drama program is listed under Fine Arts.



## ECONOMICS

*Chairman:* Associate Professor Tiemann

*Associate Professors:* Baxter, Toney

*Assistant Professors:* R. Williams, Cottrell, Beveridge

A major in Economics requires Economics 211, 212, 246, 310, 311, 411, and 15 additional semester hours of economics electives at the junior-senior level (Social Science 312 may be substituted for 3 elective hours in economics). Additional course requirements are Mathematics 111 and either 121 or 165; Accounting 211; Computer Information Science 111.

A minor in Economics requires Economics 211, 212, 310, 311, a course in statistics (Economics 246, Mathematics 341, or Social Science 312), and 6 semester hours of economics electives at the junior-senior level.

### **211. PRINCIPLES OF MACROECONOMICS**

**3 semester hours**

An introduction to the study of the economy as a whole. Topics may include national income accounts and determination, unemployment, inflation, fiscal and monetary policy and international trade. Prerequisite: MTH 111 or higher. Not sequenced with 212.

### **212. PRINCIPLES OF MICROECONOMICS**

**3 semester hours**

An introduction to the study of the parts of the economy. Consumers, firms, industries and markets will be discussed. Income distribution, labor unions, antitrust laws or other topics may also be discussed. Prerequisite: MTH 111 or higher. Not sequenced with 211.

### **246. STATISTICS FOR MANAGEMENT DECISIONS**

**3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisites: MTH 111, 165.

### **271. SEMINAR: ECONOMIC ISSUES**

**3 semester hours**

### **310. INTERMEDIATE MACROECONOMIC THEORY**

**3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212.

### **311. INTERMEDIATE ECONOMIC THEORY**

**3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212.

### **312. COMPARATIVE ECONOMIC SYSTEMS**

**3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

### **313. LABOR ECONOMICS**

**3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

### **321. MANAGERIAL ECONOMICS**

**3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: ECO 212, 212, MTH 111, 165.

**331. MONEY AND BANKING****3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 221, 212.

**332. PUBLIC FINANCE****3 semester hours**

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211, 212.

**341. ECONOMIC REGULATION****3 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisite: ECO 311 or 321; a statistics course; or permission of instructor.

**347. STATISTICAL ANALYSIS****3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246.

**411. DEVELOPMENT OF ECONOMIC THOUGHT****3 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

**412. INTERNATIONAL TRADE AND FINANCE****3 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

## EDUCATION

*Chairman, Department of Education and Psychology:* Professor Brogan

*Professor:* J. Williams

*Associate Professor:* Simon

*Assistant Professors:* Harper, Maness, Speas, Wooten

The student planning to teach in North Carolina can fulfill the professional requirements by taking the education and psychology courses prescribed below. The student planning to teach in a state other than North Carolina should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which he plans to teach if the state does not have a reciprocity agreement with North Carolina.

Before being admitted into the teacher education program, the student must be approved by the Teacher Education Committee, meet the minimum score requirements on Core Battery I and II of the National Teacher's Examination as established by the North Carolina Department of Public Education\*, and maintain at least a 2.10 grade point average. Failure to maintain a 2.10 grade point average will result in the student being dismissed from

the program. In all cases approval is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: The student must have satisfactory command of the English language (written and oral) and must be mentally, physically, morally, and emotionally acceptable for teaching. When circumstances warrant, the Teacher Education Committee may dismiss a student from the teacher education program. Application forms for the teacher education program are available in the office of the chairman of the Teacher Education Committee and must be filed by October 1 or March 1 of the semester immediately prior to the beginning of the student's junior year. Students must be admitted unconditionally to the teacher education program before being permitted to take education courses beyond the 200 level.

To be accepted for student teaching the student must (1) be approved by a committee composed of faculty members of the Department of Education; (2) have written approval of the major department; and (3) have and maintain at least a 2.20 grade point average.

Upon completion of quantitative requirements a student must have a 2.20 cumulative grade point average and must have met the minimum score requirements (as established by the North Carolina Department of Public Education)\* on the Core Battery III and the appropriate Specialty Area Test of the National Teacher's Examination in order to be recommended for teacher certification to the North Carolina Department of Public Education.

\*Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.

### **Requirements for the Elementary Education Major**

A major in Elementary Education consists of courses necessary to meet requirements for Early Childhood (grades K-4) or Intermediate (grades 4-6) certification in the public schools of North Carolina.

A major in Elementary Education with *Early Childhood* (K-4) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 211, 212; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 231; Sociology 111, 112; and one semester hour of Computer Information Science.

A major in Elementary Education with *Intermediate* (4-6) certification requires Education 211, 281 (one semester hour), 311, 321, 325, 411, 481; Psychology 321, 331, 332; Art 261; Economics 211; English 200, 301, plus one additional 3-semester-hour English course at the 200-400 level (excluding English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 231; Sociology 111; and one semester hour of Computer Information Science.



English 251); Fine Arts 211; Geography 121; History 112, 211 or 212, 346; Mathematics 261, 262; Music 261; Natural Science 160, 161, 162; Physical Education 360; Political Science 231; Sociology 111; and one semester hour of Computer Information Science.

### **Requirements for the Middle Grades Education Majors**

A major in Middle Grades Education consists of courses necessary to meet requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina.

A major in Middle Grades Education requires Education 211, 281 (one semester hour), 312, 322, 412, 441, 481; Psychology 321, 331, 332; Economics 211; English 200; Fine Arts 211; Geography 121 or 131; History 111 or 112, 211 or 212, 346; Mathematics 261, 262; Natural Science 160, 161, 162; Physical Education 120; Political Science 231; and Sociology 111. Students seeking certification in the Middle Grades are required to have two subject area concentrations. These areas are Social Studies and one of the following: Communication Skills, Mathematics, Physical Education and Science. Requirements for the concentration areas are as follows:

A concentration in *Communication Skills* requires Communications 210, English 111, 112, 200, 215, 301, and 3 additional hours chosen from English courses numbered 200 or higher (excluding English 251); and one semester hour of Computer Information Science.

A concentration in *Mathematics* requires Mathematics 111, 112, 160, 261, 262, 265; and Computer Information Science 111.

A concentration in *Physical Education* requires Physical Education 120, 211, 221, 263, 310 or 410, 361, 363 and 365; and one semester hour of Computer Information Science.

A concentration in *Science* requires Biology 301; Chemistry 101, 103; Natural Science 162; Physics 101, 102; and one semester hour of Computer Information Science. (These courses are taken in lieu of Natural Science 160 and 161.)

A concentration in *Social Studies* requires History 111 or 112, 211 or 212, 346; Economics 211; Geography 121 or 131; and Political Science 231.

### **Requirements for the Secondary Education Major**

Majors in Secondary Education consist of courses necessary to meet requirements for secondary certification (grades 9-12). Requirements are Education 211, 281, 312, 322, 415, subject area materials and methods course (chosen from Education 421-426), 481; Psychology 321, 341; and one of the following major areas: Biology, Chemistry, English, History, Mathematics, Physics, Science Education, and Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Special Subject Areas in Education**

Majors in Special Subject Areas in Education (grades K-12) consist of courses necessary to meet requirements for Special Subject Area certification in the public schools of North Carolina. Requirements are Education



211, 312, 322, 415, 481; subject area materials and methods course (Education 423 or Music 461-462); Psychology 321, 331, 341; and one of the following major areas: Music Education or Physical Education. Specific requirements for each major are listed with the appropriate department in this catalog.

### **Requirements for Minor Fields**

A minor in Early Childhood Education (K-4) or Intermediate Education (4-6) requires Education 211, 311, 321 and 471 (3 semester hours); plus Psychology 321 and 331. A minor in Middle Grades (6-9), Secondary Education (9-12), or Special Subject area requires Education 211, 312, 322 and 471 (3 semester hours); plus Psychology 321 and 341. Students seeking teacher certification may not earn these minors.

A minor in Special Education requires Education 211, Psychology 211, 321, 331, 332, 411, plus one additional 3 semester hour course approved by the department.

#### **211. INTRODUCTION TO EDUCATION**

**3 semester hours**

A study of teaching as a profession; public school organization and administration; curriculum; financial support; co-curricular activities; accreditation and teacher certification.

#### **281. PRACTICUM PRIOR TO STUDENT TEACHING**

**1-3 semester hours**

Designed for sophomores and juniors as a pre-student teaching field experience.

#### **311. FOUNDATIONS OF EDUCATION FOR K-4 and 4-6**

**3 semester hours**

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **312. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS**

**3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

#### **321. READING IN THE ELEMENTARY SCHOOL**

**3 semester hours**

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school classroom observation required.

#### **322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)**

**3 semester hours**

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school classroom observation required.

#### **325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION**

**3 semester hours**

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Prerequisite: EDU 321 or 322.

#### **411. MATERIALS AND METHODS IN ELEMENTARY GRADES**

**6 semester hours**

Evaluation and selection of materials and methods used in the organization, planning and teaching of communication skills, social studies, science and mathematics. Prerequisite: EDU 211.

**412. MATERIALS AND METHODS IN MIDDLE GRADES** **3 semester hours**  
Materials and methods used in teaching social studies and one additional area chosen from communication skills, mathematics, or science. Prerequisite: EDU 211.

**415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING** **2 semester hours**  
Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-425; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211.

**421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH** **2 semester hours**  
A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required.

**422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS** **2 semester hours**  
A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics.

**423. MATERIALS AND METHODS OF TEACHING HEALTH AND PHYSICAL EDUCATION** **2 semester hours**  
Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes.

**424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE** **2 semester hours**  
The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline.

**425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES** **2 semester hours**  
A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation.

**427. MATERIALS AND METHODS OF HEALTH AND SAFETY** **3 semester hours**  
Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches.

**441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES** **3 semester hours**  
A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year-old academic and personal skills and concepts are explored. Prerequisite: EDU 211.

**461. SEMINAR IN CLASSROOM ENVIRONMENT** **3 semester hours**  
A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisites: EDU 211 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**

**481. SUPERVISED OBSERVATION AND STUDENT TEACHING** **12 semester hours**  
Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating

teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 311 or 312, and appropriate methods course(s).

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**ENGLISH**

*Chairman, Department of Literature, Languages and Communications:*

*Professor Gill*

*Professors: Blake, Smith, Bland*

*Associate Professors: J. Berry, Euliss, Angyal*

*Assistant Professors: Lyday-Lee, Mackay, Maness, Migniuolo, Vanderwerff, P. Haworth, Haskell, Herold*

*Instructor: Cassebaum*

*Part-time Instructors: A. Butler, R. House, Adams, Greene*

The major in English requires 39 semester hours selected from the following groups of courses:

- I. Language (310-319, 410-419) . . . . . 3 semester hours
- II. Historical Studies (320-329, 420-429) . . . . . 9 semester hours
- III. Contemporary Studies (330-339, 430-439) . . . . . 6 semester hours
- IV. Major Authors (340-349, 440-449) . . . . . 3 semester hours
- V. Genres (350-359, 450-459) . . . . . 3 semester hours
- VI. Electives (200-level or above, at least 3 classes  
at the 300-400 level) . . . . . 15 semester hours

One course must be a 400-level seminar.

Students majoring in English for teacher certifications are required to take English 200, 201, 202, 203 or 204, 215, 311, 312, 313 or 314, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional electives (at the 300-400 level) plus JMC 210.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

Students majoring in English or English with teacher certification under an earlier catalog should contact the Advising Center for course substitutions for previous requirements.

**100. BASIC WRITING SKILLS**

**3 semester hours**

A course with a lab designed to ensure the student's ability to apply basic grammar, usage and punctuation in writing, to use varied sentence patterns, and to compose well-developed paragraphs. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

**106. READING SKILLS**

**3 semester hours**

Designed to improve reading comprehension, reading speed and vocabulary. Required of all entering freshmen and transfers except those who can demonstrate reading competence.

This course does not satisfy a general studies requirement or the requirements for the English major/minor.

### **111. FRESHMAN ENGLISH I**

**3 semester hours**

Writing sequences make practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

### **112. FRESHMAN ENGLISH II**

**3 semester hours**

The study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

### **171. SPECIAL TOPICS**

**3 semester hours**

This course will introduce a special topic or type of literature. It is designed for students who have not completed English 112.

### **200. INTRODUCTION TO LITERATURE**

**3 semester hours**

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

### **201. ENGLISH LITERATURE I**

**3 semester hours**

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

### **202. ENGLISH LITERATURE II**

**3 semester hours**

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

### **203. AMERICAN LITERATURE I**

**3 semester hours**

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

### **204. AMERICAN LITERATURE II**

**3 semester hours**

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

### **215. FUNDAMENTALS OF GRAMMAR**

**3 semester hours**

A study of the traditional description of the English language for the purpose of teaching terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

### **251. ENGLISH STUDIES IN BRITAIN**

**3 semester hours**

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

### **301. CHILDREN'S LITERATURE**

**3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Mass Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.



### **310-319. LANGUAGE (Group I)**

Classes in Language are designed to introduce the student to a wide spectrum of language studies. The courses include studying the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language studies.

#### **311. THE ENGLISH LANGUAGE**

**3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisite: ENG. 111, 112.

#### **312. INTRODUCTION TO LINGUISTICS**

**3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

#### **313. WRITING FOR THE PROFESSIONS**

**3 semester hours**

A study of the theories and practices of writing in different career fields, designed for its student constituency in business, education, the natural sciences, and the social sciences. This course allows an optional internship, carrying one extra semester hour of credit. Prerequisites: ENG. 111, 112 and junior classification.

#### **314. INTRODUCTION TO RHETORIC**

**3 semester hours**

A study of the resources of language as a vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG. 111, 112.

### **320-329. HISTORICAL STUDIES (GROUP II)**

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

#### **321. CLASSICAL LITERATURE**

**3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

#### **322. MEDIEVAL LITERATURE**

**3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

#### **323. RENAISSANCE LITERATURE**

**3 semester hours**

A study of selected writers of the British and Continental Renaissance, probing for their connection with such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

#### **324. THE ENLIGHTENMENT**

**3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

#### **325. ROMANTICISM**

**3 semester hours**

A study of great British, Continental and American Romantic writers, examining their attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112

#### **326. THE LATER NINETEENTH CENTURY**

**3 semester hours**

A study of American, British, and Continental writers against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

**330-339. CONTEMPORARY STUDIES (GROUP III)**

Studies in the literature of the twentieth century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

**331. STUDIES IN MODERN LITERATURE****3 semester hours**

A study of important writers and movements of the first half of the twentieth century, such as imagism, symbolic realism, psychological realism and experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

**332. LITERATURE OF THE SOUTH****3 semester hours**

A study of Southern literature, its background and themes, with attention given to major twentieth century writers and to significant contemporaries. Prerequisites: ENG 111, 112.

**333. FEMINIST APPROACHES TO LITERATURE****3 semester hours**

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

**334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE****3 semester hours**

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

**335. STUDIES IN CONTEMPORARY LITERATURE****3 semester hours**

A study of contemporary literature, such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

**340-349. MAJOR AUTHORS (Group IV)**

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Wordsworth, Austen, Hawthorne, Dickens, Twain, Hemingway, O'Connor, Faulkner, and Lessing are to be additional offerings.

**341. CHAUCER****3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background; the greater portion of *The Canterbury Tales*, *Troilus and Cressida*, two dream visions and several of the lyrics. Prerequisites: ENG 111, 112.

**342. SHAKESPEARE****3 semester hours**

The study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

**343. MILTON****3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

**350-359 GENRES (Group V)**

Courses satisfying requirements in this category will be about specific types of literature. A literary type is defined by its form or technical characteristics; examples are poetry, drama, the novel, the essay, the short story. Courses in genre, however, may also be about "kinds" of literature which cut across the more traditional genre labels; examples are satire, epic, comedy, tragedy, lyric, and the like.

**351. THE NOVEL****3 semester hours**

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

**352. DRAMA****3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

**353. POETRY****3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

**362. A STUDY OF FILMS****3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112 (ENG 362 is the same as JMC 362.)

**365. LITERATURE AND THEOLOGY****3 semester hours**

A study focusing on the relationship between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****FINE ARTS**

*Chairman, Department of Fine Arts: Associate Professor Bravender*

*Assistant Professor: Williams*

*Part-time Instructors: Gray, Kerns, Wellford, Kinard, Olson*

A minor in Dance requires 18 semester hours distributed as follows: three courses selected from Fine Arts/Physical Education 103,104,112,113,114; two courses selected from Fine Arts/Physical Education 201,202,203; two semesters of Fine Arts/Physical Education 204; two courses selected from Fine Arts/Physical Education 365, 366, 367; plus 3 semester hours of additional dance courses at the 200 or higher level.

**103. DANCE SURVEY****1 semester hour**

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern ballet, tap, jazz and musical comedy. (FA 103 is the same as PE 103.)

**104. MODERN DANCE I****1 semester hour**

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance and outstanding modern dance personalities. (FA 104 is the same as PE 104.)

**112. BALLET I****1 semester hour**

Study and participation in classical ballet techniques. (FA 112 is the same as PE 112.)

**113. JAZZ DANCE I****1 semester hour**

Exploration of the various jazz dance techniques and styles as well as an introduction to the history and choreography of jazz dance. (FA 113 is the same as PE 113.)

**114. DANCE IMPROVISATION****1 semester hour**

The study of both spontaneous and learned movements. Individual and group movement exercises include how poetry, the five senses, music, visual art and everyday gestures stimulate and influence dance. (FA 114 is the same as PE 114.)

**201. MODERN DANCE II****2 semester hours**

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: FA/PE 104 or permission of instructor. (FA 201 is the same as PE 201.)

**202. BALLET II****2 semester hours**

Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: FA/PE 112 or permission of instructor. (FA 202 is the same as PE 202.)

**203. JAZZ DANCE II****2 semester hours**

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: FA/PE 113 or permission of instructor. (FA 203 is the same as PE 203.)

**204. DANCE ENSEMBLE****1 semester hour**

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. May be repeated for credit. Prerequisite: FA/PE 104 or 112 or equivalent dance experience. (FA 204 is the same as PE 204.)

**211. INTRODUCTION TO FINE ARTS****3 semester hours**

A comparative study of major artistic styles and movements using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and esthetic values.

**215. INTRODUCTION TO MUSIC LITERATURE****3 semester hours**

(Same course as MUS 215. See 215 for description.)

**217. MUSIC APPRECIATION****3 semester hours**

An overview of the art of music from approximately 1600 to the present day. Designed for the layman. Materials to be covered include compositional styles and development of musical forms by the great masters. (Same as MUS 217.)

**218. HISTORY OF JAZZ****3 semester hours**

(Same course as MUS 218. See MUS 218 for description.)

**221. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES****3 semester hours**

(Same course as ART 221. See ART 221 for description.)

**223. HISTORY OF ART: RENAISSANCE TO THE PRESENT****3 semester hours**

(Same course as ART 223. See ART 223 for description.)

**251. FINE ARTS STUDIES IN ENGLAND****3 semester hours**

A study-tour in London with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

**360. INTRODUCTION TO THEATER****3 semester hours**

An exploration of the theater as a dynamic art form and how the author, director, actor and designer work together to create the final product.



**361. THEATER WORKSHOP****1-3 semester hours**

A practicum in all aspects of drama production. Students accepted by audition with the production director.

**363. FUNDAMENTALS OF ACTING****3 semester hours**

Designed to teach students to express themselves freely in the theater environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and a sense of the operative theater. Prerequisite: Permission of instructor.

**364. CHILDREN'S THEATER****3 semester hours**

The course emphasizes how to produce and direct plays for young people and develops an understanding of the value and place of children's theater in modern society.

**365. METHODS AND MATERIALS OF DANCE****3 semester hours**

(Same course as PE 365. See PE 365 for description.)

**366. DANCE CHOREOGRAPHY****3 semester hours**

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (FA 366 is the same as PE 366.)

**367. HISTORY OF DANCE****3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical comedy, religious and social dance. (FA 367 is the same as PE 367.)

**368. HISTORY OF AMERICAN MUSICAL THEATER****3 semester hours**

A survey of the development of musical comedy in America from its origins in 1866 to the present. Major works, composers, lyricists, librettists and choreographers are studied. (FA 368 is the same as MUS 368.)

**421. MUSICAL THEATER WORKSHOP****3 semester hours**

A practicum in all aspects of musical theater production. Students accepted by audition with the production director. Winter term only.

## FOREIGN LANGUAGES

*Chairman, Department of Literature, Languages and Communications:*  
Professor Gill

*Professor:* W. Rich

*Associate Professor:* Rodriguez

*Assistant Professors:* Lunsford, Piepke, Romer

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in Foreign Languages requires 18 semester hours (or the equivalent) of foreign language instruction. At least 12 of the semester hours must be taken in one language. A student may not receive credit for both the Spanish and the Foreign Language minors.

**FRENCH 101, 102. FOUNDATIONS OF FRENCH****3 semester hours each semester**

Introduction to the essentials of French grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**FRENCH 111, 112. ELEMENTARY FRENCH****3 semester hours each semester**

Develops language skills with an emphasis on cultural content and conversational use.

**FRENCH 211, 212. INTERMEDIATE FRENCH****3 semester hours each semester**

Systematic review of the fundamentals of French, with oral drill, composition, and emphasis on development of reading skills. Prerequisites: two units of high school French or FRE 111, 112 or equivalent.

**FRENCH 371. SPECIAL TOPICS****3 semester hours****GERMAN 101, 102. FOUNDATIONS OF GERMAN****3 semester hours each semester**

Introduction to the essentials of German grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**GERMAN 111, 112. ELEMENTARY GERMAN****3 semester hours**

Develops language skills with an emphasis on cultural content and conversational use.

**GERMAN 211, 212. INTERMEDIATE GERMAN****3 semester hours each semester**

Systematic review of the fundamentals of German, with oral drill, composition, and emphasis on development of reading skills. Prerequisites: two units of high school German or GER 111, 112 or equivalent.

**GREEK 111, 112. ELEMENTARY GREEK****3 semester hours each semester**

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

**GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK****3 semester hours each semester**

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

**SPANISH 101, 102. FOUNDATIONS OF SPANISH****3 semester hours each semester**

Introduction to the essentials of Spanish grammar, pronunciation, and conversation. 3 class hours, 1 laboratory. Courses do not satisfy General Studies requirements.

**SPANISH 111, 112. ELEMENTARY SPANISH****3 semester hours each semester**

Develops language skills with an emphasis on cultural content and conversational use.

**SPANISH 211, 212. INTERMEDIATE SPANISH****3 semester hours each semester**

Systematic review of the fundamentals of Spanish, with oral drill, composition, and emphasis on development of reading skills. Readings are designed to increase vocabulary and promote cultural discussions. Prerequisites: two units of high school Spanish or SPN 111, 112 or equivalent.

**SPANISH 321. SPANISH CONVERSATION****3 semester hours**

Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION****3 semester hours**

Continued work in conversation with new emphasis on writing. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 331. SPANISH LITERATURE I****3 semester hours**

A chronological survey of the development of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 332. SPANISH LITERATURE II**

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 341. LATIN-AMERICAN LITERATURE I****3 semester hours**

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 342. LATIN-AMERICAN LITERATURE II****3 semester hours**

A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

**SPANISH 471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****SPANISH 491. INDEPENDENT STUDY****1-3 semester hours****GEOGRAPHY**

*Chairman, Department of Social Sciences: Associate Professor T. Henricks*  
*Assistant Professor: Cates*

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

**121. PHYSICAL GEOGRAPHY****3 semester hours**

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

**131. WORLD REGIONAL GEOGRAPHY****3 semester hours**

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

**311. GEOGRAPHY OF THE UNITED STATES AND CANADA****3 semester hours**

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

**321. GEOGRAPHY OF EUROPE****3 semester hours**

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

**331. GEOGRAPHY OF NORTH CAROLINA****3 semester hours**

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

**341. URBAN GEOGRAPHY AND PLANNING****3 semester hours**

The spatial study of cities and the internal land-use and activity patterns are studied with particular reference to North American patterns. The philosophy, methods and types of urban planning. Offered alternate years.

**343. ECONOMIC GEOGRAPHY****3 semester hours**

A study of the human and environmental influences on the locations of the different types of economic activity and the resulting spatial patterns. Emphasis on location of agricultural and manufacturing production and the distribution of the various land uses within cities. Offered alternate years.

**491. INDEPENDENT STUDY****1-3 semester hours**

## HISTORY

*Chairman, Department of Social Studies:* Associate Professor T. Henricks  
*Professors:* Crowe, Delp, Moncure, G. Troxler  
*Associate Professor:* C. Troxler  
*Assistant Professors:* L. Rich, Midgette

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from political science; plus 9 semester hours on the junior-senior level from the social sciences, literature, religion, or from any course in philosophy, psychology, or foreign language.

History majors receiving teacher certification must have Geography 131 and Political Science 231 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in history. A minor in American history requires History 211, 212, one seminar in American history, and nine elective hours in United States or Latin American history. A minor in European history requires History 111, 112, one seminar in European or English history, and nine elective hours from European or English history, and nine elective hours from European, English, and/or Russian history.

**111, 112 HISTORY OF WESTERN CIVILIZATION** **3 semester hours each semester**  
 European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

**211, 212. AMERICAN HISTORY** **3 semester hours each semester**  
 American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

**251. HISTORY STUDIES ABROAD** **3 semester hours**  
 A specialized study for those participating in abroad programs. Opportunities include England, Russia and China.

**311, 312. HISTORY OF ENGLAND** **3 semester hours each semester**  
 English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

**313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS** **3 semester hours**  
 The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

**314. LATIN AMERICA IN THE TWENTIETH CENTURY** **3 semester hours**  
 A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.



- 315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD** 3 semester hours  
A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.
- 316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD** 3 semester hours  
A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.
- 321. HISTORY OF MODERN CHINA** 3 semester hours  
A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.
- 341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours  
Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)
- 342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours  
(Same course as PS 342. See PS 342 for description.)
- 343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES** 3 semester hours  
A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisites: HST 211, 212 or permission of instructor.
- 344. THE SOUTH IN AMERICAN HISTORY** 3 semester hours  
The civilization of the South from the time the region became conscious of its identity to the present. Particular consideration is given to the effects of the Civil War and reconstruction, significant political trends, development in agriculture and industry, educational and cultural progress, the Negro, World War II, and the South today. Prerequisites: HST 211, 212 or permission of instructor.
- 345. AMERICAN MILITARY SCIENCE** 3 semester hours  
A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.
- 346. NORTH CAROLINA HISTORY** 3 semester hours  
The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.
- 348. UNITED STATES SINCE 1933** 3 semester hours  
Recent American history with emphasis on the political, social and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.
- 353. EUROPE IN TRANSFORMATION, 1100-1600** 3 semester hours  
A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

**354. EUROPE 1600-1791****3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

**355. NINETEENTH CENTURY EUROPE, 1791-1914****3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

**357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT****3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

**361. SEMINAR: COLONIAL AMERICA****3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

**362. SEMINAR: AMERICAN REVOLUTION, 1763-1789****3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisites: HST 211 or permission of instructor.

**363. SEMINAR: AMERICAN CIVIL WAR****3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

**365. SEMINAR: AMERICAN SOCIAL REFORM****3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

**367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH****3 semester hours**

Topics include the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. The course begins with the accession of Henry VII in 1485 and ends with the death of Elizabeth in 1603. Prerequisite: HST 111 or permission of instructor.

**369. SEMINAR: SOVIET UNION****3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

**481. INTERNSHIP IN APPLIED HISTORY****3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

**491. INDEPENDENT STUDY****3 semester hours**

Open to history majors and minors who have junior or senior standing or by permission of instructor.

## HUMAN SERVICES

*Chairman:* Associate Professor Higgs

*Professor:* Brogan

*Associate Professor:* Granowsky

*Assistant Professors:* P. Kiser, P. Morgan, V. Luko, Fromson

A major in Human Services requires Human Services 211, 212, 333, 351, 381, 411, 412, 413, 481; Psychology 211, 331, 341, 421; Sociology 111, 211, 311; Mathematics 265; and Philosophy 111 or 115 or Religion 241. Additional requirements are 6 semester hours selected from Human Services 231, 241, 324, 345, 431, 435, 471 (topics approved by the department), History 343, Psychology 332 and 411.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the human services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship in the fall semester must be submitted no later than March 1. Applications for taking the Internship in the spring semester must be submitted no later than October 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

A minor in Gerontology requires Human Services 211, 241, 324, 345, 351 and 381. The practicum must be taken in a facility or program for the elderly.

### **203. LEADERSHIP**

**2 semester hours**

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Counselors.

### **211. INTRODUCTION TO HUMAN SERVICES**

**3 semester hours**

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

### **212. METHODS IN HUMAN SERVICES**

**3 semester hours**

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

**231. SOCIAL GROUP WORK****3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

**241. INTRODUCTION TO AGING****3 semester hours**

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

**324. LEISURE AND AGING****3 semester hours**

(Same course as REC 324. See REC 324 for description.)

**333. ABNORMAL BEHAVIOR****3 semester hours**

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211. (HUS 333 is the same as PSY 333.)

**345. ISSUES IN AGING****3 semester hours**

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

**351. ADULT DEVELOPMENT****3 semester hours**

An analysis of the general principles of development as they apply to the adult from youth to death. Emphasis is given to five major dimensions of human development (biological, cognitive, affective, social and spiritual). Prerequisite: PSY 211. (HUS 351 is the same as PSY 351.)

**381. PRACTICUM IN HUMAN SERVICES****3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.

**411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES****3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

**412. PROFESSIONAL COMMUNICATION****3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

**413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES****3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.

**431. PRINCIPLES OF COUNSELING****3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.

**435. FAMILY COUNSELING****3 semester hours**

Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****481. INTERNSHIP****6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

**491. INDEPENDENT STUDY****1-3 semester hours**



## JOURNALISM

The journalism program is listed under Communications.

## MATHEMATICS

*Chairman, Department of Mathematics and Computer Information Science:*

*Professor R. Haworth*

*Professor: Francis, W. Hightower*

*Associate Professors: Alexander, Barbee*

*Assistant Professors: Reichard, Speas, Carpenter, V. Hightower*

*Instructors: Richardson, Whitaker, Murphy*

*Part-time Instructors: C. Holt, Scarlett, Walton*

A major in Mathematics requires Mathematics 111, 112, 121, 221, 241, 311, 312, 321, 425; 9 additional semester hours of Mathematics at the 300-400 level; one 3- or 4-semester-hour course in computer information science; and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 111, 112, 121, 221, 241, 311, 312, 321, 331, 341, 425; one 3- or 4-semester-hour course in computer information science; and Physics 113, 114, 115, 116.

A minor in Mathematics requires Mathematics 111, 112, 121, 221, 311, and one additional 3- or 4-semester-hour course selected from computer information science, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262).

A student may exempt Math 111 and/or 112 by demonstrating proficiency.

### **100. INTRODUCTORY ALGEBRA**

**3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite.

### **111. COLLEGE ALGEBRA**

**3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

### **112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS**

**3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

### **121. CALCULUS AND ANALYTIC GEOMETRY I**

**4 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

### **160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS**

**3 semester hours**

Topics covered include matrices and determinants, linear systems and programming, probability, and models of directed graphs.

**165. APPLIED MATHEMATICS WITH CALCULUS****3 semester hours**

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

**221. CALCULUS AND ANALYTIC GEOMETRY II****4 semester hours**

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.

**241. LOGIC AND DISCRETE MATHEMATICS****3 semester hours**

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 111 or competency (MTH 241 is the same as CIS 241)

**261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS****3 semester hours each semester**

Primarily a content course open only to the students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.

**265. ELEMENTARY STATISTICS****3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

**311. LINEAR ALGEBRA****3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221.

**312. MODERN ALGEBRA****3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

**315. NUMERICAL ANALYSIS****3 semester hours**

(Same course as CIS 315. See CIS 315 for description.)

**321. CALCULUS AND ANALYTIC GEOMETRY III****4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

**331. MODERN GEOMETRY****3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

**341. PROBABILITY THEORY AND STATISTICS****3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

**351. DISCRETE STRUCTURES**

**3 semester hours**

(Same course as CIS 351. See CIS 351 for description.)

**421. DIFFERENTIAL EQUATIONS**

**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

**425, 426. ANALYSIS**

**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

## MEDICAL LABORATORY TECHNICIAN

*Chairman, Department of Biology and Allied Health:*

Associate Professor H. House

*Program Director:* Assistant Professor Mroz

*Adjunct Associate Professor and Medical Director:* Powell

*Adjunct Assistant Professors:* Flora, Geyer, Knesel, Bowling, Hom, Huley, Lattuada, Leinen, Plese, Sturgill

*Education Coordinator:* Assistant Professor Thornton

The medical laboratory technician is able to perform many routine and specialized testing procedures in hospital, commercial and research laboratories throughout the United States. The MLT program at Elon College is a two-year program culminating in an Associate in Science degree. Students successfully completing the program will be eligible to sit for the American Society of Clinical Pathologists (ASCP) or other certification examinations. The program is fully accredited by the American Medical Association and is affiliated with Roche Biomedical Laboratories, Inc., and High Point Memorial Hospital.

The Associate in Science degree in Medical Laboratory Technology requires 66 semester hours in the following curriculum: Medical Laboratory Technology 111, 113, 221, 222, 223, 226, 231, 251, 281, 282, 283, 284, 285; Chemistry 111 and Biology 265. MLT students spend 20 weeks in clinical rotations at one or more of the affiliated laboratories. Students also must complete the following General Studies courses: English 111, 112; Mathematics 111 or higher; Physical Education 160.

The College also offers a Bachelor of Science degree in Medical Laboratory Technology for graduates of the MLT program. Requirements are two upper level Biology courses chosen from Biology 311, 312, 321, 322, 341, 345, 425; plus Mathematics 112; Physics 111 or 112; Chemistry 321 and 322; plus prescribed General Studies requirements for a minimum of 126 semester hours.

The MLT program is open to any interested student enrolling or enrolled at Elon College. There is a competitive screening procedure for the 16 available clinical positions based on academic performance and personal evaluations.



### **111. INTRODUCTION TO CLINICAL LABORATORY**

**4 semester hours**

An orientation to medical laboratory technology emphasizing the roles of the MLT in the health care system. Medical terminology, laboratory techniques, mathematics and principles of instrumentation are introduced in both classroom and student laboratories covering clinical chemistry, hematology, immunology, microbiology and urinalysis.

### **113. IMMUNOLOGY**

**1 semester hour**

Survey course on the anatomy and physiology of the immune system including non-specific defense mechanisms, branches of immunity, the components (cellular and soluble) and how these relate to disease. Prerequisite: MLT 111 or BIO 111 or permission of instructor.

### **221. HEMATOLOGY AND COAGULATION**

**4 semester hours**

Study of the formation, morphology, components and functions of the blood cells and the homeostasis system. Both manual and automated techniques as well as interpretation and classification of disorders of blood and coagulation are stressed. Prerequisites: MLT 111, 113, and 226.

### **222. CLINICAL MICROBIOLOGY**

**5 semester hours**

Principles and applications of microbiologic methods and techniques for identification of pathologic organisms are discussed in detail. Includes organisms such as viruses, bacteria, fungi and other molds and both unicellular and multicellular parasites. The use of various growth media and conditions as well as types of specimens is included. Correlation of laboratory data to pathological states caused by these organisms is explained. Prerequisites: MLT 111, 113, 221, 223, 226 and BIO 265.

### **223. IMMUNOHEMATOLOGY**

**4 semester hours**

Basic principles and techniques of blood banking and immunologic diagnosis are examined. Includes routine and special blood banking methods and medical correlations of laboratory results. Prerequisites: MLT 111, 113, 221, 226, BIO 265.

### **226. URINALYSIS AND BODY FLUIDS**

**2 semester hours**

In-depth examination of the physical, biochemical and microscopic characteristics of urine and other body fluids. Includes detailed discussion of the kidneys and urinary system. Prerequisite: MLT 111.

### **231. CLINICAL CHEMISTRY**

**5 semester hours**

The analytical, interpretive and pathological aspects of physiological biochemistry are studied. The principles of instrumentation specifically related to clinical chemistry as well as quality control and preparation of laboratory reagents are included. Prerequisites: MLT 111, 113, 221, 222, 223, 226, BIO 254, CHM 111, and MTH 111.

### **251. CLINICAL COMPREHENSIVE**

**2 semester hours**

An intensive review in the areas of blood banking, chemistry, hematology, microbiology and serology/urinalysis as preparation for the national certification examinations. Prerequisites: Completion of an AMA approved MT or MLT program or permission of program instructor.

### **281. URINALYSIS PRACTICUM**

**2 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop and improve technical performance and interpretation of laboratory procedures. Manual and automated procedures as well as quality control and safety are stressed. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

### **282. MICROBIOLOGY PRACTICUM**

**4 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop and improve isolation, identification and interpretative techniques for bacterial, fungal, parasitic or viral pathogens in humans. Routine and special methods of organism cultivation and differentiation and safety measures are stressed as well. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.



**283. HEMATOLOGY PRACTICUM**

**4 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop proficiency in the performance and interpretation of both manual and automated hematologic procedures with minimal supervision and attention to quality control and safety practices. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**284. IMMUNOHEMATOLOGY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills set in actual clinical laboratory environment in order to develop and improve performance of routine and special blood banking procedures, serological procedures and donor phlebotomy with appropriate regard to quality control and safety for patients and medical personnel. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

**285. CLINICAL CHEMISTRY PRACTICUM**

**5 semester hours**

Practical application of knowledge and skills set in various clinical biochemistry settings in order to develop proficiency in both manual and automated procedures, preparation of specialized reagents and specimens, performing and interpreting routine quality control and patient data with an appropriate regard to safety and minimal supervision. Prerequisites: MLT 111, 113, 221, 222, 223, 226, 231, BIO 265, CHM 111 and MTH 111.

## **MEDICAL TECHNOLOGY**

*Chairman, Department of Biology and Allied Health; Associate Professor H. House*

*Adjunct Assistant Professor and Program Director: J. Smith*

*Adjunct Assistant Professor and Medical Director: Gay*

*College Program Director: Mroz*

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; MLT 113; Biology 481, 482, 483, 484, 485, 486, 487.

## MILITARY SCIENCE

*Chairman, Department of Military Science:*

*Assistant Professor:* Jackson

*Instructors:* Johnson, Browning, Bright

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

*Programs of Instruction:* Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

*Basic Course.* The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

*Advanced Course:* Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

*Two-Year Program:* This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with four years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

### 111. INTRODUCTION OF CITIZEN/SOLDIER

**1 semester hour**

An introduction to the mission, organization, and history of ROTC; military and civilian

obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

**112. INTRODUCTION TO UNITED STATES MILITARY FORCES  
IN SUPPORT OF NATIONAL DEFENSE**

**1 semester hour**

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

**141, 142. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

**211. MAP READING SKILL DEVELOPMENT**

**1 semester hour**

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

**212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES**

**1 semester hour**

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

**241, 242. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

**251. ARMY ROTC BASIC CAMP**

**4 semester hours**

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

**311. LEADERSHIP TRAINING**

**2 semester hours**

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

**312. INTRODUCTION TO MILITARY TEAM THEORY**

**2 semester hours**

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of each branch of the Army.

**341, 342. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

**351. ARMY ROTC ADVANCED CAMP**

**4 semester hours**

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

**411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**

**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics.

#### **412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION**

**2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

#### **441, 442. LEADERSHIP LABORATORY**

**1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

#### **451. AIRBORNE TRAINING**

**3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

## **MUSIC**

*Chairman, Department of Fine Arts:* Associate Professor Bravender

*Associate Professor:* Bragg

*Assistant Professors:* Goter, Lewis, Ten Eyck, E. Williams

*Part-time Professor:* Artley

*Part-time Instructors:* Bingenheimer, King, P. Sullivan, V. Dula, Stone

### **Requirements for the Major in Music**

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 311, 312, 313, 314, 315, 316, a choice of 411, 412, or 366-367, a minimum of 8 semesters of ensemble (Music 101, 102, 103), aural and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

### **Requirements for the Major in General Music**

A major in General Music for the A.B. degree has the same courses, ensemble, aural/keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

### **Requirements for the Major in Music Education**

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 314, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), aural and keyboard proficiency and concert attendance as outlined in the



*Music Student Handbook.* Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

### **Requirements for the Music Minor**

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

### **General Regulations**

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

### **Applied Music—Individual and Group Instruction**

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *All students must register for group or individual applied music instruction through the office of the chairman of the Department of Fine Arts.*

### **Applied Music Levels**

**Piano:**  
120, 220, 320, 420

**Organ:**  
121, 221, 321, 421

**Voice:**  
122, 222, 322, 422

**Trumpet:**  
123, 223, 323, 423

**French Horn:**  
124, 224, 324, 424

**Trombone:**  
125, 225, 325, 425

**Baritone (Euphonium):**  
126, 226, 326, 426

**Tuba:**  
127, 227, 327, 427

**Flute:**  
128, 228, 328, 428

**Oboe:**  
129, 229, 329, 429

**Clarinet:**  
130, 230, 330, 430

**Bassoon:**  
131, 231, 331, 431

**Saxophone:**  
132, 232, 332, 432

**Violin:**  
133, 233, 333, 433

**Viola:**  
134, 234, 334,  
434

**Cello:**  
135, 235, 335,  
435

**String Bass:**  
136, 236, 336,  
436

**Guitar:**  
137, 237, 337,  
437

**Percussion:**  
138, 238, 338,  
438

## Applied Music Classes—Group Instruction

### **152,153. VOICE CLASS I & II**

**1 semester hour each semester**

Group voice instruction (beginning and intermediate). Audition required.

### **154-157. PIANO CLASS I-IV**

**1 semester hour each semester**

Group piano instruction ranging from beginning to intermediate. Audition required.

### **258,259. DICTION FOR SINGERS**

**1 semester hour each semester**

Required of voice majors.

## Music Materials, Structures and Techniques

### **111, 112. THE MATERIALS OF MUSIC I & II**

**3 semester hours**

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

### **113, 114. MUSIC SKILLS LAB I & II**

**1 semester hour each semester**

Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

### **211, 212. THE MATERIALS OF MUSIC III & IV**

**3 semester hours**

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisites: MUS 112, 114.

### **213, 214. MUSIC SKILLS LAB III & IV**

**1 semester hour each semester**

Designed to be taken in conjunction with Music 211, 212.

### **311. COUNTERPOINT I**

**2 semester hours**

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisites: MUS 212, 214.

### **312. COUNTERPOINT II**

**2 semester hours**

Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

### **313, 314. FORM AND ANALYSIS**

**2 semester hours each semester**

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisites: MUS 212, 214.

### **411. INSTRUMENTAL AND CHORAL ARRANGING**

**2 semester hours**

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisites: MUS 212, 214.

### **412. COMPOSITION**

**2 semester hours**

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisites: MUS 314, 411.

## Literature and History

### **215. INTRODUCTION TO MUSIC LITERATURE**

**3 semester hours**

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the new music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

**217. MUSIC APPRECIATION****3 semester hours**

(Same as Fine Arts 217. See Fine Arts 217 for description.)

**218. HISTORY OF JAZZ****3 semester hours**

A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1895. (MUS 218 is the same as FA 218.)

**315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES****3 semester hours each semester**

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisites: MUS 212, 214. MUS 315 prerequisite for Mus 316.

**368. HISTORY OF AMERICAN MUSICAL THEATER****3 semester hours**

(Same course as FA 368. See FA 368 for description.)

**Music Education****261. MUSIC IN THE ELEMENTARY SCHOOL****3 semester hours**

A study of the prospective classroom teacher of musical activities and experiences appropriate for children in the elementary school, with consideration of methods, materials and curriculum problems.

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

**361. PERCUSSION METHODS****1 semester hour****362. BRASS METHODS****1 semester hour****363. WOODWIND METHODS****1 semester hour****364. CHORAL/VOCAL METHODS****1 semester hour****365. STRING METHODS****1 semester hour****366-367. CONDUCTING****1 semester hour each semester**

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices. Prerequisites: MUS 212, 214.

**461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS****3 semester hours each semester**

A study of methods and materials suitable for the elementary, middle and senior school levels. Prerequisites: MUS 212, 214.

**Ensembles****101. BAND (open to all students)****1 semester hour****102. CHOIR (open to all students)****1 semester hour****103. ORCHESTRA (by audition)****1 semester hour****104. JAZZ ENSEMBLE (by audition)****1 semester hour****105. CHAMBER SINGERS (by audition)****1 semester hour****106. CHAMBER ENSEMBLE (by audition)****1 semester hour**

## Other Offerings

### 251. MUSIC STUDIES IN ENGLAND

3 semester hours

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

### 360. METHODS AND MATERIALS OF PIANO PEDAGOGY

2 semester hours

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

### 471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

Small group study under the guidance of a member of the staff.

### 481. PRACTICUM IN MUSIC THEATER

1-3 semester hours

A practicum in all aspects of theater production. Students accepted by audition with the production director.

### 491. INDEPENDENT STUDY

1-3 semester hours

## NATURAL SCIENCE

*Professor:* Danieleley

*Associate Professors:* F. Harris, H. House, Rao

*Assistant Professors:* Fields, Plumblee, N. Harris, Agnew

### 160. PHYSICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in physics and chemistry. Laboratory work includes techniques of presenting classroom demonstrations. Open only to elementary and middle grades majors. 2 class hours and one laboratory each week.

### 161. EARTH-SPACE SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

2 semester hours

A survey course covering fundamental topics in geology and astronomy. Open only to elementary and middle grades majors. Prerequisite: NS 160 or permission of instructor.

### 162. BIOLOGICAL SCIENCE FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 semester hours

A survey course covering fundamental topics in biology. Laboratory work includes techniques of presenting classroom demonstration. Open only to elementary and middle grade majors. 2 class hours and one laboratory each week.

## PHILOSOPHY

*Chairman:* Professor Sullivan

*Associate Professor:* Waller

A major in Philosophy requires Philosophy 111, 113, 115; two courses from Philosophy 341, 342, 343, 352, 355; four courses from Philosophy 331, 332, 333, 431, 432; Psychology 211, and 6 semester hours in French, Greek, German or Spanish. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.



**111. INTRODUCTION TO PHILOSOPHY****3 semester hours**

Introduces student to the philosophical approach to an understanding of his world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

**113. LOGIC****3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

**115. ETHICS****3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles to specific solutions in which moral choices are made by individuals and policy-making bodies.

**331. ANCIENT PHILOSOPHY****3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

**332. MEDIEVAL PHILOSOPHY****3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special focus is placed on (1) how Augustine adapted Plato, (2) how Aquinas came to terms with Aristotle, and (3) how these two important strands receive a poetic synthesis in Dante's *Divine Comedy*.

**333. MODERN PHILOSOPHY****3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

**341. PHILOSOPHY OF LAW****3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

**342. PHILOSOPHY AND SOCIETY****3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when man himself is the object of investigation.

**343. AGES AND STAGES OF LIFE****3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

**352. EASTERN PHILOSOPHY****3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tsu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION****3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

**431. CONTEMPORARY PHILOSOPHY****3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century and to develop the skills of inquiry appropriate to these areas. Part I examines British analytical philosophy and considers figures such as Russell, Wittgenstein, Ayer and Austin. Part II focuses on Existentialism and considers figures such as Sartre, Camus, Heidegger and Buber.

**432. AMERICAN PHILOSOPHY****3 semester hours**

An examination of the development of the American mentality from the colonial period to the present. Special attention is given to Edwards, Emerson, Dewey and Skinner as representative figures in the development of American culture.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****PHYSICAL EDUCATION AND HEALTH**

*Chairman, Department of Health, Physical Education and Recreation:*  
Professor Brown

*Professor:* A. White

*Associate Professor:* Parham

*Assistant Professors:* Beedle, L. Carden, Morningstar, Baker, Ballard, Bailey, Jones, Calhoun, Burton

*Instructors:* K. Carden, Myers, Bodle, Humphries, Lindsay, Ray

*Part-time Instructors:* Gray, Wellford

A major in Physical Education requires Physical Education 161 or 162, 211, 221, 321, 411, 422; Biology 265, plus completion of at least one of the following three emphasis components:

(1) Teacher certification for Physical Education requires Physical Education 161 or 162 (one not taken in Core), 263, 310, 360, 363, 365; one course from Physical Education 342, 343, 344, 345, 347; Physical Education 410 and 423.

(2) Community Recreation requires Recreation 211, 322, 323, 424, 425, 481 (6 semester hours); Business Administration 302; Communications 210; and Physical Education 161 (or 263), 162, 310.

(3) Commercial Leisure and Sports Management requires Accounting 211, 212; Business Administration 302, 311, 323; Economics 212; Recreation 325, 424; Physical Education 109, 161 (or 263), 162.

Requirements for Health Education certification (K-12) are HPER 120, 160, 220, 322, 323, 410, 412, Education 427, Biology 265, Psychology 332, 333 in addition to the Education requirements for certification.

A minor in Physical Education with a coaching concentration requires Physical Education 211, 221, 310, 410; two courses from Physical Education 342, 343, 344, 345, 347; and Physical Education 461 (Seminar in Athletic Coaching - 3 semester hours).

A minor with a Physical Education concentration requires Physical Education 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Sports Medicine requires Biology 265, Physical Education 221, 321, 424, and 481 (3 semester hours).

A minor in Dance requires 18 semester hours of dance courses. Refer to the Fine Arts section of the catalog for specific requirements.

- 100. TENNIS AND BADMINTON** 1 semester hour
- 101. HANDBALL AND RACQUETBALL** 1 semester hour
- 102. ELEMENTARY GYMNASTICS** 1 semester hour
- 103. DANCE SURVEY** 1 semester hour  
(Same course as FA 103. See FA 103 for description.)
- 104. MODERN DANCE I** 1 semester hour  
(Same course as FA 104. See FA 104 for description.)
- 105. GOLF AND ARCHERY** 1 semester hour  
Laboratory fee \$25.00.
- 106. BEGINNING SWIMMING** 1 semester hour  
Red Cross Beginner Swimming Course. Includes basic water safety skills and knowledge, body position, rhythmic breathing and basic skills.
- 107. INTERMEDIATE TO ADVANCED SWIMMING** 1 semester hour  
Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain advanced lifesaving and water safety instructor's certification.
- 108. ADVANCED LIFE SAVING AND WATER SAFETY** 1 semester hour  
Provides knowledge and skill designed to save student's own life or the life of another; not intended to be a complete lifeguard training course. Prerequisites: strong swimming skills. Recommended CPR and First Aid Certification.
- 109. OVERLOAD CONDITIONING** 1 semester hour  
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.
- 110. SNOW SKIING—BEGINNER TO ADVANCED** 1-3 semester hours  
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit only.) Extra fees required. (For details, consult Physical Education Department staff.)
- 112. BALLET I** 1 semester hour  
(Same course as FA 112. See FA 112 for description.)
- 113. JAZZ DANCE I** 1 semester hour  
(Same course as FA 113. See FA 113 for description.)
- 114. DANCE IMPROVISATION** 1 semester hour  
(Same course as FA 114. See FA 114 for description.)
- 116. OUTWARD BOUND EXPERIENCE** 1-3 semester hours  
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. (PE 116 is the same as REC 116.)
- 120. CONTEMPORARY HEALTH PROBLEMS** 3 semester hours  
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.
- 160. FOUNDATIONS OF PHYSICAL ACTIVITY** 2 semester hours  
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences.

**161, 162. LIFETIME SPORTS SKILLS LABORATORY** 2 semester hours each semester  
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only. Laboratory fee \$25.00 for PE 161.

**201. MODERN DANCE II** 2 semester hours  
(Same course as FA 201. See FA 201 for description.)

**202. BALLET II** 2 semester hours  
(Same course as FA 202. See FA 202 for description.)

**203. JAZZ DANCE II** 2 semester hours  
(Same course as FA 203. See FA 203 for description.)

**204. DANCE ENSEMBLE** 1 semester hour  
(Same course as FA 204. See FA 204 for description.)

**208. WATER SAFETY INSTRUCTORS COURSE** 2 semester hours  
Designed to teach students how to teach others swimming and lifesaving skills and aspects of First Aid. Includes drills, methods, analysis. Prerequisites: 17 years of age, advanced swimming skills, Advanced Lifesaving Certification.

**209. SKIN AND BASIC SCUBA DIVING** 2 semester hours  
Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins.

**211. HISTORY AND PRINCIPLES OF HEALTH, PHYSICAL EDUCATION AND RECREATION** 3 semester hours  
An introductory study in the history of health education, physical education and recreation; philosophical, psychological, physiological, and sociological bases for activity.

**220. FIRST AID (Non-Majors Only)** 3 semester hours  
Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**221. SPORTS MEDICINE/FIRST AID (Majors Only)** 3 semester hours  
Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

**260. SAFE DRIVING** 3 semester hours  
The principles of teaching basic driving skills, including defensive driving, observation and interpretation of motor vehicle laws, adverse driving conditions, and care and use of the automobile. Classroom instruction and in-car instruction. Laboratory fee.

**263. SPORTS SKILLS LABORATORY** 2 semester hours  
Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

**265. OFFICIATING** 2 semester hours  
Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.



### 310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

3 semester hours

Emphasis is placed upon qualities of the teacher-coach, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

### 321. KINESIOLOGY

3 semester hours

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 265.

### 342. METHODS OF COACHING FOOTBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching football.

### 343. METHODS OF COACHING BASKETBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

### 344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

### 345. METHODS OF COACHING SOCCER AND VOLLEYBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

### 347. METHODS OF COACHING WRESTLING

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

### 360. METHODS AND MATERIALS FOR ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)

3 semester hours

Designed for elementary teachers. Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

### 361. METHODS AND MATERIALS FOR MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)

3 semester hours

Designed for middle school teachers of Health and Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

### 363. METHODS AND MATERIALS OF GYMNASTICS

2 semester hours

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized.

### 365. METHODS AND MATERIALS OF DANCE

3 semester hours

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels. (PE 365 is the same as FA 365.)

### 366. DANCE CHOREOGRAPHY

3 semester hours

(Same course as FA 366. See FA 366 for description.)

### 367. HISTORY OF DANCE

3 semester hours

(Same course as FA 367. See FA 367 for description.)

### 410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS

3 semester hours

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools and colleges or other appropriate settings. Fall semester only.

**411. MEASUREMENT AND EVALUATION IN HPER**

**3 semester hours**

Includes techniques of the administration of basic motor ability tests, and tests of associated and concomitant learnings in physical education and means of utilizing test data for specified purposes.

**412. CONSUMERISM AND COMMUNITY HEALTH**

**3 semester hours**

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.

**422. PHYSIOLOGY OF EXERCISE**

**3 semester hours**

The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 265.

**423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD**

**3 semester hours**

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

**424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING**

**3 semester hours**

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training.

**461. SEMINAR IN ATHLETIC COACHING**

**3semester hours**

Winter Term only.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

**481. INTERNSHIP IN PHYSICAL EDUCATION**

**1-6 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## PHYSICS

*Chairman, Department of Physical Sciences: Associate Professor F. Harris*  
*Assistant Professor: Agnew*

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 421, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

**101. BASIC CONCEPTS OF PHYSICS**

**4 semester hours**

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. Lecture and laboratory. No credit given to students having prior credit for Physics 111.

**102. FUNDAMENTALS OF ASTRONOMY****3 semester hours**

A basic course designed to acquaint the non-science major with the many aspects and triumphs of astronomy as a modern science. Lectures, laboratories and trips to nearby facilities. Prerequisite: PHY 101 or permission of instructor.

**103. FUNDAMENTALS OF PHOTOGRAPHY****3 semester hours**

A basic course providing an introduction to black and white photography. Topics include use of the adjustable 35 mm single-lens reflex camera, film processing, projection printing, and preparation of the finished mounted print. 2 class hours and 2 laboratory hours per week.

**111, 112. GENERAL PHYSICS I AND II****3 semester hours each semester**

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

**113, 114. GENERAL PHYSICS I AND II WITH CALCULUS****3 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Corequisite: MTH 221.

**115, 116. GENERAL PHYSICS LABS I AND II****1 semester hour each semester**

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

**201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION****3 semester hours**

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

**211, 212. MECHANICS AND HEAT****3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

**311, 312. ELECTROMAGNETISM AND OPTICS****3 semester hours each semester**

Fundamental concepts of electromagnets. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 111, 112 or 113, 114. Corequisite: MTH 121.

**391. INDEPENDENT STUDY****1 or 2 semester hours each semester**

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

**411, 412. MODERN PHYSICS****3 semester hours each semester**

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

**421, 422. ADVANCED LABORATORY****1 semester hour each semester**

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

## POLITICAL SCIENCE

*Chairman, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Long, Taylor, Zarzar, Anderson, Brumbaugh

A major in Political Science requires Political Science 111, 231, 471 (Senior

Seminar - 3 semester hours), Social Science 312, plus 21 additional hours in Political Science of which 18 hours must be from 300-400 level courses. Other requirements are Computer Information Science 111; Economics 211, 212; History 211, 212; and Mathematics 265.

A minor in Political Science requires Political Science 111, 231, Social Science 312, plus 9 additional hours of Political Science from 300-400 level courses. Students electing to minor in Political Science are urged to concentrate the 9 elective hours in one of the specialized areas of Political Science.

#### **111. INTRODUCTION TO POLITICAL SYSTEMS**

**3 semester hours**

A general introduction to the basic concepts of politics and to the nature and functions of political systems and institutions both public and private.

#### **231. NATIONAL GOVERNMENT IN THE UNITED STATES**

**3 semester hours**

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation of powers, checks and balances, operation of the executive, legislative, and judicial branches.

#### **232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES**

**3 semester hours**

A study of the structure and functioning of the state and local government and its role within the federal system.

#### **241. INTERNATIONAL RELATIONS**

**3 semester hours**

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

#### **331. COMPARATIVE GOVERNMENTS**

**3 semester hours**

A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.

#### **332. POLITICS AND GOVERNMENTS OF THE MIDDLE EAST**

**3 semester hours**

A synthesizing review of the forces and problems affecting contemporary politics and governments of the Middle East. It emphasizes the contrasts between democratic and authoritarian forms of governments. Prerequisite: Junior or senior standing or by permission of instructor.

#### **341. UNITED STATES FOREIGN POLICY TO 1939**

**3 semester hours**

(Same course as HST 341. See HST 341 for description.)

#### **342. UNITED STATES FOREIGN POLICY SINCE 1939**

**3 semester hours**

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 231 or permission of instructor. (PS 342 is the same as HST 342.)

#### **352. INTRODUCTION TO POLITICAL THEORY**

**3 semester hours**

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of instructor.

#### **353. MODERN POLITICAL THOUGHT**

**3 semester hours**

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.

#### **356. DEMOCRACY AND TOTALITARIANISM**

**3 semester hours**

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.



**361. SEMINAR: THE MULTINATIONAL CORPORATION IN DOMESTIC AND INTERNATIONAL POLITICS****3 semester hours**

A seminar which examines the impact of big business on American and international politics. Emphasis is given to ways and means of dealing with problems generated by corporate giantism. Prerequisite: Junior or senior standing or by permission of instructor.

**365. SEMINAR: THE PRESIDENT, CONGRESS AND PUBLIC POLICY****3 semester hours**

A seminar which investigates the formulation and implementation of public policy in the United States, with emphasis on the roles of the President, Congress, and the public in the policy process. Prerequisite: PS 231 or by permission of instructor.

**420. WORKSHOP IN POLITICS****3 semester hours**

Personal experience in the political system of the U.S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

**441. WAR, PEACE AND CONFLICT RESOLUTION****3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****3 semester hours****481. INTERNSHIP IN POLITICAL SCIENCE****1-3 semester hours**

Prerequisites: 6 semester hours from PS 111, 211 and 231.

**491. INDEPENDENT STUDY****1-3 semester hours****PSYCHOLOGY**

*Chairman, Department of Education and Psychology:* Professor Brogan

*Associate Professors:* Granowsky, Simon, Higgs

*Assistant Professors:* Harper, P. Kiser, Soliday, Pickens, Fromson, McClearn

A major in Psychology requires Psychology 211, 331, 341, 351, 432, 471 (3 semester hours, topics approved by the department); and Mathematics 265 or Social Science 312. Additional requirements are 18 hours chosen from the following: Psychology 231, 311, 321, 332, 333, 411, 421, 491, Human Services 431, and Philosophy 343.

A minor in Psychology requires Psychology 211, 321, 331, 332; Mathematics 265 or Social Science 312; plus 6 semester hours selected from the following: Psychology courses, Human Services 431; and Philosophy 343.

**211. GENERAL PSYCHOLOGY****3 semester hours**

An overview of the facts and principles of human development, learning, motivation, intelligence, personality, abnormal reactions, and social interaction.

**231. SOCIAL PSYCHOLOGY****3 semester hours**

(Same course as SOC 231. See SOC 231 for description.)

**311. PSYCHOLOGY OF ADJUSTMENT****3 semester hours**

An analysis of the processes by which the individual adjusts and grows within the context of a society. Emphasis is placed on the major psychological theories and research in the area of adjustment and personal growth.

**321. EDUCATIONAL PSYCHOLOGY****3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence; motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisite: PSY 211.

**331. PSYCHOLOGY OF CHILDHOOD****3 semester hours**

The general principles of growth and development of the child through the adolescent transition, emphasis upon the intellectual, physical, emotional and social development of the child through the middle school. Prerequisite: PSY 211.

**332. PSYCHOLOGY OF EXCEPTIONALITY****3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. An internship in a local school is required. Prerequisite: PSY 211.

**333. ABNORMAL BEHAVIOR****3 semester hours**

(Same course as HUS 333. See HUS 333 for description.)

**341. PSYCHOLOGY OF ADOLESCENCE****3 semester hours**

The general principles of growth and development of the child through adolescence; emphasis upon intellectual, physical, and emotional changes during adolescence and the interrelation of all aspects of the child's development; adjustment problems in the development of the individual personality. Prerequisite: PSY 211.

**351. ADULT DEVELOPMENT****3 semester hours**

(Same course as HUS 351. See HUS 351 for description.)

**411. PSYCHOLOGICAL MEASUREMENT****3 semester hours**

A survey of the techniques, uses and importance of testing-and-measurement in the educational process. Particular emphasis is placed upon providing the student with experience in reading, understanding and critically evaluating standardized tests. Prerequisite: PSY 211.

**421. THEORIES OF PERSONALITY****3 semester hours**

A survey of the major theories of personality and motivation including psychoanalytic theories, social psychological theories, phenomenological theories, humanistic theories and behavior theories. Prerequisite: PSY 211.

**432. HISTORY AND SYSTEMS OF PSYCHOLOGY****3 semester hours**

The history of psychology from Greek civilization through the emergence of psychology as a distinct discipline. The development and decline of different systematic positions/schools are considered in detail. Prerequisites: PSY 211 and permission of instructor.

**471. SEMINAR: SPECIAL TOPICS****1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

## PUBLIC ADMINISTRATION

*Chairman, Department of Social Sciences:* Associate Professor T. Henricks  
*Associate Professors:* Taylor, Brumbaugh

A major in Public Administration requires Public Administration 211, 212, 311, 431, 471, (Senior Seminar - 3 semester hours); Political Science 231, 232; Social Science 312; Accounting 211; Economics 211, 212; and Computer Information Science 111. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; Communications 210; Geography 341; Economics 313, 321, 332; Business Administration 323,

325, 328; Recreation 322, 424, 425; and Political Science 361, 365, 420.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 231; and Business Administration 323 and 325.

**211. INTRODUCTION TO PUBLIC ADMINISTRATION**

**3 semester hours**

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

**311. ADMINISTRATION OF PUBLIC POLICIES**

**3 semester hours**

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

**351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION**

**3 semester hours**

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

**431. POLICY ANALYSIS AND PROGRAM EVALUATION**

**3 semester hours**

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

**471. SEMINAR: SPECIAL TOPICS**

**3 semester hours**

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

**481. INTERNSHIP IN PUBLIC ADMINISTRATION**

**1-6 semester hours**

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

**491. INDEPENDENT STUDY**

**1-3 semester hours**

## **RADIO BROADCASTING**

The Radio Broadcasting program is listed under Communications.

## **RADIOLOGIC TECHNOLOGY**

*Chairman, Department of Biology and Allied Health:* Associate Professor H. House.

*Coordinator:* Associate Professor Rao

The requirements for the Bachelor of Applied Science in Radiologic Technology consist of (1) completion of a 24-month, A.M.A. approved program in Radiologic Technology; (2) completion of the general studies requirements; (3) one full academic year of study at Elon; and (4) completion of the following specific course requirements: Biology 111, 265, Chemistry 101, Physics 101, Psychology 211. The student has the option of completing the clinical phase of the program either before or after completion of the course requirements at Elon. If the program is initiated at Elon, the College will provide assistance to the student in locating and gaining admission to

an approved clinical program. Students who complete the clinical phase of the program first may be given credit for Biology 265. The degree normally requires two years at Elon in addition to the 24-month A.M.A. approved program.

## RECREATION

*Chairman, Department of Health, Physical Education and Recreation:*

*Professor Brown*

*Professor: A. White*

*Assistant Professors: Beedle, Calhoun*

*Instructor: Ray*

Community Recreation is one of the emphasis options for the Physical Education major. Please refer to the Physical Education and Health section of this catalog for the requirements.

A minor in Recreation requires Recreation 211, 322, 323, 424, and Physical Education 211 and 481 (3 semester hours).

### **116. OUTWARD BOUND EXPERIENCE**

**1-3 semester hours**

(Same course as PE 116. See PE 116 for description.)

### **211. INTRODUCTION TO COMMUNITY RECREATION**

**3 semester hours**

A study of the nature and history of leisure, play and recreation as they relate to contemporary community recreation services.

### **322. RECREATION LEADERSHIP AND PROGRAMMING**

**3 semester hours**

Emphasis on the leadership and group dynamics processes as they pertain to the professional recreation setting; principles and approaches to recreational programming. Spring semester only.

### **323. RECREATION SERVICES FOR SPECIAL POPULATIONS**

**3 semester hours**

The study of the historical and societal factors affecting the present status, care, treatment and recreation of the mentally and physically handicapped in the United States. Fall semester only.

### **324. LEISURE AND AGING**

**3 semester hours**

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (REC 324 is the same as HUS 324.)

### **325. COMMERCIAL LEISURE MANAGEMENT**

**3 semester hours**

An in-depth study of the history, development and current status of the commercial leisure and tourism industry in the U.S. Survey of the development and operation of commercial goods and services offered in the leisure market.

### **424. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION**

**3 semester hours**

Designed to provide a thorough study of the background, organization and principles of the public recreation administration process. Fall semester only.

### **425. OUTDOOR RECREATION SERVICES**

**3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized. Spring semester only.

### **471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

### **481. INTERNSHIP IN RECREATION**

**1-6 semester hours**

This course is designed to give practical experience in community recreation, YMCA or commercial leisure establishments.



## RELIGION

*Chairman, Department of Religion:* Associate Professor Chase

*Associate Professors:* Pace, W. Rich

*Assistant Professors:* McBride, Wilson

*Part-time Instructor:* Montgomery

A major in Religion requires Religion 111, 112, 241, 252, plus 24 semester hours of additional Religion courses. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

### **111. INTRODUCTION TO THE OLD TESTAMENT**

**3 semester hours**

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

### **112. INTRODUCTION TO THE NEW TESTAMENT**

**3 semester hours**

The rise and development of Christianity and its literature.

### **215. RELIGIOUS THINKING**

**3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

### **241. RELIGIOUS VALUES AND DECISION MAKING**

**3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

### **251. RELIGION STUDIES ABROAD**

**3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

### **252. WORLD RELIGIONS**

**3 semester hours**

The origin and historical development of selected religious traditions.

### **321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST**

**3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

### **322. OLD TESTAMENT PROPHETS**

**3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

### **324. THE INTERTESTAMENTAL PERIOD**

**3 semester hours**

The historical situation and environment from which early Christianity emerged; developments in Hellenism and Judaism; the period of the Maccabees; religious ideas and institutions of the pre-Christian era. Prerequisite: Junior or senior status, or permission of instructor.

### **326. THE WRITINGS OF PAUL**

**3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

### **327. THE GOSPEL OF JOHN**

**3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

**328. THE SYNOPTIC GOSPELS**

**3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

**334. MODERN RELIGIOUS THINKERS**

**3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

**341. CHRISTIAN ETHICS**

**3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

**345. THEOLOGY OF HUMAN LIBERATION**

**3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

**355. PHILOSOPHICAL PROBLEMS OF RELIGION**

**3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

**365. LITERATURE AND THEOLOGY**

**3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

## SCIENCE EDUCATION

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

### Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, 112, (or higher), Geography 121, Chemistry 103 and Physics 102.

**Biology** 111, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 221, 321, 322, 411

**Physics** 111, 112, 201, 211, 212, 311, 312 or 411

### Secondary Science Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, 112 (or higher), Geography 121, Chemistry 103, and Physics 102.

**Biology** 111, 221, 222, 311, 322, 345, 452

**Chemistry** 111, 112, 221, 321, 322, 411

**Physics** 111, 112, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Science 111.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

## SOCIAL SCIENCE

*Chairman, Department of Social Sciences:* Associate Professor T. Henricks  
*Professors:* Crowe, Delp, Moncure, G. Troxler

*Associate Professors:* Long, Toney, C. Troxler, Taylor, Zarzar, Brumbaugh

*Assistant Professors:* Basirico, Cates, Arcaro, Midgett

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 111 or 241, 231; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 111 or 241, 231; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

### 312. RESEARCH METHODS

**3 semester hours**

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

## SOCIOLOGY

*Chairman, Department of Social Sciences:* Associate Professor T. Henricks  
*Assistant Professors:* Basirico, Arcaro

A major in Sociology requires Sociology 111, 311, 351, plus 18 semester hours of additional Sociology courses; Computer Information Science 111; Mathematics 265; Social Science 312; and 6 semester hours selected from History 343, Human Services 231, Philosophy 113 and 342, and Psychology 211.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses and/or Philosophy 342.

### 111. INTRODUCTORY SOCIOLOGY

**3 semester hours**

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

**112. ANTHROPOLOGY****3 semester hours**

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

**211. SOCIAL PROBLEMS****3 semester hours**

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

**231. SOCIAL PSYCHOLOGY****3 semester hours**

An examination of the ways in which individuals are influenced by their relationships with others in society. The course considers the difference between humans and animals, the origins and development of the self-concept, the formation of attitudes and factors causing them to change affiliation, aggression, altruism, and group dynamics. Prerequisite: SOC 111. (SOC 231 is the same as PSY 231.)

**311. THE FAMILY****3 semester hours**

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

**313. CRIME AND DELINQUENCY****3 semester hours**

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

**321. CULTURAL ANTHROPOLOGY****3 semester hours**

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

**333. SOCIAL STRATIFICATION****3 semester hours**

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

**341. ETHNIC AND RACE RELATIONS****3 semester hours**

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

**343. SOCIAL AND CULTURAL CHANGE****3 semester hours**

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

**344. SOCIAL DEVIANCE****3 semester hours**

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.



**351. SOCIOLOGICAL THEORY**

**3 semester hours**

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

**471. SEMINAR: SPECIAL TOPICS**

**1-3 semester hours**

**491. INDEPENDENT STUDY**

**1-3 semester hours**

**TELEVISION**

The Television program is listed under Communications.

# Directory and Appendices

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Noel Lee Allen, *Raleigh, N.C.*  
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Thad Eure, LL.D., *Raleigh, N.C.*

Walter M. Floyd, M.D., *Durham, N.C.*  
 Sherrill G. Hall, *Greensboro, N.C.*  
 William A. Hawks, *Burlington, N.C.*  
 Maurice Jennings, *Burlington, N.C.*  
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 Yvonne Beasley, *President of the Southern Conference*  
 Mills E. Godwin, Jr., *Trustee Emeritus*  
 J. Harold Smith, *Trustee Emeritus*

### **Faculty, 1985-1986**

Jerome R. Adams, 1984\*, *Part-time Assistant Professor of English*  
 A.B., Ph.D., *University of North Carolina*  
 Jimmie D. Agnew, 1985, *Assistant Professor of Science Education*  
 B.A., *George Washington University*; M.S.S.T., Ph.D., *The American University*  
 Mark R. Albertson, 1980, *Assistant Professor; Registrar*  
 B.B.A., *Fort Lauderdale University*  
 J. Wesley Alexander, 1961, *Associate Professor of Mathematics*  
 B.S., M.A., *Appalachian State University*; M.S., *New Mexico State University*  
 Ralph V. Anderson, 1963, *Part-time Professor of Economics*  
 B.S., *Ferris Institute*; M.S., *University of Tennessee*; B.D., *Northern Baptist Theological Seminary*; Ph.D., *University of North Carolina*  
 Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science; Assistant to the President*  
 B.A., *St. Andrews Presbyterian College*; M.A., Ph.D. candidate, *American University*  
 Andrew J. Angyal, 1976, *Associate Professor of English*  
 B.A., *Queens College, CUNY*; M.A., *Yale University*; Ph.D., *Duke University*  
 Thomas E. Arcaro, 1985, *Assistant Professor of Sociology*  
 B.A., *Ohio State University*; M.S., Ph.D., *Purdue University*  
 Malvin N. Artley, 1963, *Professor of Music*  
 B.Mus., *Shenandoah Conservatory of Music*; M.Mus., *Cincinnati Conservatory*; D.F.A. *Chicago Musical College, Roosevelt University*  
 Robert A. Bailey, 1984, *Assistant Professor of Physical Education and Health; Assistant Football Coach*  
 B.S., M.A.Ed., *East Carolina University*  
 Martin H. Baker, 1980, *Assistant Professor of Physical Education and Health; Athletic Trainer*  
 B.S., *SUNY at Brockport*; M.S., *Indiana State University*

\* Year of appointment

- Steven J. Ballard, 1977, *Assistant Professor of Physical Education and Health; Soccer Coach; Sports Information Director*  
B.S., SUNY at Cortland; M.A., University of North Carolina
- William H. Barbee, 1970, *Associate Professor of Mathematics*  
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- Laurence A. Basirico, 1983, *Assistant Professor of Sociology*  
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- Robert C. Baxter, 1959, *Associate Professor of Business Law; College Attorney*  
A.B., Elon College; J.D., Duke University
- Barry B. Beedle, 1978, *Assistant Professor of Physical Education and Health*  
B.S., M.S., Mississippi State University; Ed. D., University of Mississippi
- Bertie S. Belvin, 1983, *Assistant Professor, Associate Dean of Admissions and Financial Planning*  
B.S., M.A., Virginia Polytechnic Institute and State University
- W. Jennings Berry, Jr., 1957, *Associate Professor of English; Director of Academic Advising*  
A.B., Elon College; M.A., University of North Carolina
- Thomas M. Beveridge, 1985, *Assistant Professor of Economics*  
B.A., M.A., M.Ed., University of Dundee, Scotland; Doctoral Studies, University of North Carolina
- Elaine H. Bingenheimer, 1983, *Part-time Instructor in Music; Director, Preparatory Music Program*  
B.Mus., University of North Carolina; M.Mus., Southern Methodist University
- Robert G. Blake, 1968, *William S. Long Professor of English*  
A.B., Harvard University; M.A., Ph.D., Duke University
- R. Lamar Bland, 1967, *Professor of English; Director of Honors Program*  
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- David L. Bodle, 1985, *Instructor in Physical Education and Health; Assistant Football Coach*  
B.S., Penn State University; M.Ed., University of Georgia
- Marolyn M. Boswell, 1985, *Instructor in Psychology*  
B.A., University of California; M.A., Doctoral Studies, University of Chicago
- Barry A. Bradberry, 1975, *Assistant Professor; Associate Dean of Admissions and Financial Planning*  
A.A., Chowan College; A.B., Elon College; M.Ed., University of North Carolina at Greensboro
- David A. Bragg, 1970, *Associate Professor of Music*  
B.S., Concord College; M.M.E., Ph.D., Florida State University
- Paul E. Bravender, 1985, *Associate Professor of Fine Arts; Chairman, Department of Fine Arts*  
B.S., Western Michigan University; M.M., Roosevelt University; Ph.D., Michigan State University
- Byrd Britt, 1985, *Instructor in Physical Education, Women's Volleyball & Tennis Coach;*



- B.S. Pembroke State University; M.A., University of North Carolina at Greensboro  
Herman Brock, 1984, *Assistant Professor of Accounting*  
B.S., M.S., Roosevelt University; C.P.A.
- Wesley B. Brogan, 1979, *Professor of Education and Human Services; Chairman, Department of Education and Psychology; Director, M.Ed. Program*  
A.B., Dickinson College; M.Div., Duke University; M.Ed., Ph.D., University of North Carolina
- Jeanne R. Brooks, 1985, *Part-time Instructor in Sociology*  
A.B., Duke University; M.S.L.S., M.A., University of North Carolina at Greensboro
- Janie P. Brown, 1967, *Professor of Physical Education and Health; Chairman, Department of Health, Physical Education and Recreation*  
B.S., Wake Forest University; M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- Ann S. Butler, 1979, *Part-time Instructor in English*  
A.B., M.Ed., University of North Carolina at Greensboro
- Michael L. Calhoun, 1985, *Assistant Professor of Physical Education and Health*  
B.S., Hardin-Simmons University; M.S., Ed.D., Brigham Young University
- Karen R. Carden, 1979, *Instructor in Physical Education; Director of Intramural Athletics;*  
A.B., Elon College; M.Ed., University of North Carolina at Greensboro, C.P.M.
- Lonnie Mack Carden, 1977, *Assistant Professor of Physical Education and Health; Head Football Coach*  
A.B., Elon College; M.A., Appalachian State University
- Fleta H. Carmen, 1983, *Part-time Instructor in Office Administration*  
B.S., Appalachian State University; M.S.B.E., University of North Carolina at Greensboro
- J. Albert Carpenter, 1983, *Assistant Professor of Computer Information Science and Mathematics*  
A.A., Montgomery College; B.S., University of Maryland; M.S., Graduate Studies, University of Tennessee
- Anne C. Cassebaum, 1985, *Instructor in English*  
B.A., Cornell University; M.A., Columbia University
- D. Brooks Cates, 1964, *Assistant Professor of Geography*  
A.B., University of North Carolina; M.A., East Carolina University; Ph. D., University of North Carolina
- Carole F. Chase, 1976, *Associate Professor of Religion*  
A.B., College of William and Mary; M.A., Presbyterian School of Christian Education; Ph.D., Duke University
- Paul H. Cheek, 1950, *L.L. Vaughan Professor of Chemistry*  
B.S., Wake Forest University; Ph.D., University of North Carolina
- Ruth L. Cheek, 1964, *Part-time Assistant Professor of Chemistry*  
A.B., M.A., University of North Carolina
- George A. Coltrane, 1984, *Associate Professor of Accounting and Business Administration*  
A.B., J.D., Duke University; C.P.A.

- Allin F. Cottrell, 1985, *Assistant Professor of Economics*  
First Degree, Oxford University; Ph.D., University of Edinburgh
- James C. Crew, 1985, *Associate Professor of Business Administration*  
B.S., M.E., Ph.D., North Carolina State University
- David M. Crowe, Jr., 1977, *Associate Professor of History*  
B.A., Southeastern Louisiana College; M.A., Mississippi State University;  
Ph.D., The University of Georgia
- Edwin L. Daniel, 1963, *Associate Professor of Art*  
A.B., Elon College; B.F.A., Abbott School of Fine and Commercial Art;  
M.F.A., University of North Carolina; Virginia Commonwealth University;  
Roanoke Fine Arts Center, University of Virginia Extension
- J. Earl Danieleley, 1946, *Thomas E. Powell, Jr., Professor of Chemistry*  
A.B., Elon College; M.A., Ph.D., University of North Carolina; Postdoctoral  
Study, The Johns Hopkins University; Sc.D., Catawba College; LL.D.,  
Campbell College
- Paul D. Deane, 1984, *Part-time Instructor in English*  
B.A., University of North Carolina; M.A., Ph.D., University of  
Chicago
- Robert W. Delp, 1968, *Professor of History*  
B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A.,  
Ph.D., The George Washington University; Duke University
- Diana S. Dwyer, 1984, *Instructor in Foreign Languages*  
B.A., Saint Joseph College, Connecticut; M.A., University of North  
Carolina
- Helen H. Euliss, 1969, *Associate Professor of English*  
B.S., Appalachian State University; M.A., Graduate Studies, University of  
North Carolina
- Arland W. Eyl, Jr., 1985, *Assistant Professor of Computer Information Science*  
B.S., Florida State University; M.S., University of Evansville; Ph.D., Vander-  
bilt University
- Hugh M. Fields, 1970, *Assistant Professor of Biology*  
B.S., M.S., North Carolina State University; Graduate Studies, University of  
North Carolina at Greensboro
- Gerald L. Francis, 1974, *Professor of Mathematics and Computer Information  
Science; Dean of Academic Affairs*  
B.S., M.A., Appalachian State University; Ph.D., Virginia Polytechnic Insti-  
tute and State University
- Michael Gaffigan, 1985, *Part-time Instructor in English*  
B.S., Appalachian State University; M.A., Western Carolina University;  
Doctoral Studies, University of North Carolina
- Kathleen K. Gallucci, 1984, *Part-time Instructor in Biology; Coordinator of  
Freshman Biology Labs*  
B.S., Le Moyne College; M.S., University of North Carolina
- Russell B. Gill, 1976, *Associate Professor of English; Chairman, Department of  
Literature, Languages and Communications*  
A.B., College of William and Mary; M.A., Ph.D., Harvard University

- Arlene Goter, 1983, *Assistant Professor of Music*  
B.Mus., M.Mus., D.Mus., Indiana University
- Don A. Grady, 1985, *Assistant Professor of Communications*  
B.A., North Carolina State University; M.A., University of North Carolina
- Seena A. Granowsky, 1975, *Associate Professor of Psychology and Human Services*  
B.S., Tufts University; M.S., Vassar College; Ed.D., Duke University
- Patricia J. Gray, 1980, *Part-time Instructor in Physical Education and Fine Arts*  
B.S., M.F.A., University of North Carolina at Greensboro
- Betty Greene, 1980, *Instructor in Cytotechnology; Program Director, Cytotechnology*  
A.B., M.F.A., University of North Carolina at Greensboro
- Charles A. Griffin, 1983, *Assistant Professor of Physical Education and Health; Assistant Football Coach; Assistant Track Coach*  
A.A., Catonsville Community College; B.S., Frostburg State College; M.A., University of Maryland
- Kenneth L. Harper, 1970, *Assistant Professor of Education*  
A.B., Elon College; M.Ed., University of North Carolina; Graduate Studies, Duke University; Doctoral Studies, University of North Carolina at Greensboro
- E. Franklin Harris, 1967, *Associate Professor of Physics; Chairman, Department of Physical Sciences*  
A.B., Elon College; M.A., Wake Forest University; Ph.D., University of North Carolina
- Nancy E. Harris, 1981, *Assistant Professor of Biology*  
B.S., University of North Carolina; B.S., Ph.D., North Carolina State University
- Rosemary A. Haskell, 1985, *Assistant Professor of English*  
B.A., University of Durham, England; M.A., Clark University; Ph.D., University of North Carolina
- Priscilla L. Haworth, 1975, *Assistant Professor of English; Associate Director of Learning Resources*  
B.S., M.A., Appalachian State University; Graduate Studies, Virginia Polytechnic Institute and State University, University of Virginia
- Richard C. Haworth, 1974, *Professor of Mathematics; Chairman, Department of Mathematics and Computer Information Science*  
B.S., Wake Forest University; M.A.T., Duke University; M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
- Judy S. Henricks, 1977, *Part-time Instructor in Art*  
B.A., University of Illinois; M.F.A., University of North Carolina at Greensboro
- Thomas S. Henricks, 1977, *Associate Professor of Sociology*  
B.A., North Central College; M.A., Ph.D., University of Chicago
- John C. Herold, 1985, *Part-time Assistant Professor of English*  
B.A., Harpur College; M.A., Northwestern University; Ph.D., State University of New York at Buffalo
- Kevin Bryant Holland, 1983, *Instructor in Chemistry*  
A.B., Elon College; M.S., University of North Carolina at Greensboro;

- Graduate Studies, University of Denver, Colorado State University, Wake Forest University
- Cheryl T. Holt, 1976, *Part-time Instructor in Mathematics*  
A.B., Elon College
- Herbert W. House, Jr., 1977, *Associate Professor of Biology; Chairman, Department of Biology and Allied Health*  
B.S., Wake Forest University; M.S., Ph.D., University of South Carolina
- Rebecca O. House, 1978, *Part-time Instructor in English*  
B.A., Meredith College; M.Ed., University of North Carolina
- Hornsby Howell, Jr., 1983, *Instructor in Physical Education; Assistant Football Coach, Assistant Track Coach; Coordinator of Athletic Advising*  
B.S., North Carolina A. & T. University; M.Ed., South Carolina State College
- Harry L. Howren, 1985, *Assistant Professor of Business Administration*  
B.A., M.B.A., Jacksonville State University; Doctoral Studies, University of Alabama
- Michael P. Hudson, Jr., 1982, *Part-time Instructor in Computer Information Science*  
A.B., Elon College; M.B.A., University of North Carolina at Greensboro
- Robert G. Humphries, 1985, *Assistant Football Coach; Instructor in Physical Education and Health*  
B.S., Gardner Webb College; M.Ed. Candidate, Livingston University
- Charlie R. Jackson, 1985, *Assistant Professor of Military Science*  
B.S., Florida A&M University; Captain, U.S. Army
- William Ray Johnson, 1984, *Assistant Professor of Communications; Coordinator of Television Services*  
B.A., Appalachian State University; M.Ed., University of North Carolina at Greensboro
- Charles Richard Jones, 1984, *Assistant Professor of Physical Education and Health; Head Baseball Coach*  
B.A., University of North Carolina at Wilmington; M.S., North Carolina A. & T. University
- P. Alston Jones, Jr., 1982, *Assistant Professor; Head Librarian and Director of Learning Resources*  
B.Mus., East Carolina University; M.S., Drexel University
- Connie L. Keller, 1980, *Assistant Professor; Assistant Librarian for Technical Services*  
B.A., Illinois Wesleyan University; M.A., University of Iowa
- Kathleen A. Kelly, 1985, *Part-time Assistant Professor of English*  
B.A., Canisius College; M.A., Georgetown University; Ph.D., University of North Carolina
- Ralph W. Kerns, 1980, *Part-time Instructor in Communications and Fine Arts*  
B.A., Waynesburg College; M.F.A., Carnegie Institute of Technology, Carnegie-Mellon University
- Jeff S. Kinard, 1983, *Part-time Instructor in Art*  
B.F.A., M.F.A., University of North Carolina at Greensboro



- Robert Burns King, 1981, *Part-time Instructor in Organ; College Organist*  
B.A., Furman University; M.S.M., Union Seminary in New York; Graduate  
Studies, University of North Carolina; Study with Michael Schneider,  
Hochschule fur Musik, Cologne, Germany; Prix de Virtuosite, Schola  
Cantorum, Paris
- Pamela M. Kiser, 1981, *Assistant Professor of Human Services and Psychology*  
B.A., Wake Forest University; M.S., University of North Carolina
- Ronald A. Klepcyk, 1978, *Assistant Professor; Dean of Student Affairs*  
B.S., M.Ed., Kent State University
- Michael E. Lewis, 1985, *Assistant Professor of Music*  
B.M.E., Hastings College; M.M.E., North Texas State University; D.M.A.  
in progress, North Texas State University
- John D. Loftin, 1982, *Assistant Professor of Religion*  
A.B., University of North Carolina; Ph.D., Duke University
- William G. Long, 1974, *Associate Professor of Political Science; Director of  
Foundations, Government and Church Relations*  
B.A., M.A., West Virginia University; M.Div., Yale University Divinity  
School
- Valerie K. Luko, 1984, *Assistant Professor, Associate Dean of Student Affairs*  
A.A., Broward Community College; B.A., M.A., University of South Florida
- Ernest J. Lunsford, 1981, *Assistant Professor of Spanish*  
B.A., Duke University; M.A., Middlebury College; Ph.D., University of  
Florida
- Kathy J. Lyday-Lee, 1982, *Assistant Professor of English*  
B.A., M.A., Tennessee Technological University; Ph.D., University of  
Tennessee
- Helen H. Mackay, 1976, *Assistant Professor of English*  
B.A., M.A., Ph.D., University of North Carolina at Greensboro
- Betty J. Maness, 1976, *Assistant Professor of Education and English*  
B.A., M.Ed., University of North Carolina at Greensboro
- John Michael Marr, 1978, *Professor of Business Administration; Chairman,  
Department of Accounting, Business Administration and Office Administra-  
tion; Director of the M.B.A. Program*  
B.A., Presbyterian College; M.S., Ph.D., Clemson University
- Richard W. McBride, 1984, *Assistant Professor of Religion; College Chaplain;  
Coordinator of Personal Counseling*  
B.S.Ed., University of Virginia; M.Div., Union Theological Seminary, New  
York; Th.M., Duke University
- Larry B. McCauley, Sr., 1968, *Assistant Professor; Director of Physical Plant*  
A.B., Elon College; M.A., University of North Carolina
- Stephanie J. McClellan, 1985, *Instructor in Mathematics and Computer  
Information Science*  
A.B., Elon College; M.A., Appalachian State University
- Robie W. McClellan, 1980, *Assistant Professor of Business Administration*  
B.A., University of North Carolina; M.B.A., Ed.D., University of North  
Carolina at Greensboro
- Kathleen Metzger McNamee, 1983, *Instructor in Accounting and Business  
Administration*

- B.S., Manchester College; M.B.A., Old Dominion University  
 William F. Migniuolo, 1978, *Assistant Professor of English; Coordinator of Academic Development Program*  
 A.B., University of North Carolina; Ph.D. studies, Brown University  
 John F. Mitchell, 1981, *Associate Professor of Business Administration;*  
 A.B., M.B.A., Dartmouth College  
 James A. Moncure, 1974, *Professor of History*  
 B.A., University of Richmond; M.A., Ph.D., Columbia University  
 H. Reid Montgomery, 1978, *Part-time Instructor in Religion*  
 A.B., Elon College; B.D., Union Theological Seminary, Virginia: S.T.M. New York Theological Seminary; Graduate Studies, New York University  
 Patricia Sue Morgan, 1983, *Assistant Professor, Associate Dean of Student Affairs*  
 B.S., Mars Hill; M.A., Appalachian State University  
 Voigt F. Morgan, 1963, *Associate Professor of Biology*  
 A.B., Elon College; M.A., Appalachian State University; Graduate Studies, Duke University  
 T. William Morningstar Jr., 1972, *Assistant Professor of Physical Education and Health; Men's Head Basketball Coach; Golf Coach*  
 A.B., Elon College; M.A., Lynchburg College  
 Richard C. Mroz, Jr., 1984, *Assistant Professor of Medical Laboratory Technology; Director, Medical Laboratory Technician Program*  
 B.S., University of Maryland, College Park; B.S., University of Maryland, Baltimore; D.A. Candidate, Catholic University of America; M.T., ASCP  
 James L. Murphy, 1984, *Instructor in Mathematics and Computer Information Science*  
 B.S., Campbell College; M.S., Candidate, University of Evansville  
 Jacqueline M. Myers, 1985, *Instructor in Physical Education and Health; Women's Basketball Coach*  
 B.S., Elon College; M.A., East Tennessee State University  
 William Robert Nowell, 1981, *Assistant Professor of Communications*  
 B.A., University of North Carolina; M.A., Northwestern University; Ph.D. candidate, Indiana University  
 E. Eugene Oliver, 1981, *Associate Professor of Accounting*  
 A.B., M.B.A., George Washington University; Ed.D., University of North Carolina at Greensboro  
 James H. Pace, 1973, *Associate Professor of Religion; Chairman, Department of Religion*  
 A.B., Birmingham-Southern College; M.Div., Ph.D., Emory University  
 E. Thomas Parham, 1985, *Associate Professor of Physical Education and Health; Assistant Athletic Director; Tennis Coach*  
 B.S., Atlantic Christian College; M.Ed., University of North Carolina  
 Robert Joseph Peace, 1983, *Adjunct Professor of Allied Health*  
 B.S., M.D., Tulane University  
 James D. Pickens, 1985, *Assistant Professor of Psychology*  
 B.A., Ohio State University; Ph.D., University of Tennessee  
 Susan L. Piepke, 1984, *Instructor in Foreign Languages*

- B.A., SUNY at Albany; M.A., University of Rochester; M.A., Ph.D. candidate, Middlebury College
- Barbara T. Plumbee, 1979, *Assistant Professor of Biology; Director of Academic Computing Services*
- A.B., Elon College; M.S., Graduate Studies, University of North Carolina
- R.D. Rao, 1969, *Associate Professor of Biology; Coordinator of Radiologic Technology*
- B.S., Osmania University; M.S., Ph.D., North Carolina State University
- Rosalind R. Reichard, 1984, *Assistant Professor of Mathematics*
- B.A., Harpur College, New York; M.S., Ph.D., Michigan State University
- Steven C. Reinhartsen, 1984, *Assistant Professor; Director of Cooperative Education*
- B.S., Valparaiso University; M.Ed., University of North Carolina at Greensboro
- Lela Faye Rich, 1977, *Assistant Professor of History; Director of Pre-major Advising*
- B.A., Wake Forest University; M.A.T., Duke University
- William G. Rich, 1977, *Associate Professor of Religion; Director of General Studies; Director of Studies Abroad*
- B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
- Janice Little Richardson, 1983, *Instructor in Mathematics*
- B.A., University of North Carolina; M.A., Wake Forest University
- Gerardo Rodriguez, 1982, *Assistant Professor of Spanish*
- M.A., Normal Inferior Benavente, Puebla, Mexico; Ph.D., University of Madrid, Spain
- Allen B. Sanders, 1965, *Professor of Business Administration and Accounting*
- B.S., West Virginia University; M.B.A., The George Washington University; Ph.D., University of North Carolina, C.M.A.
- Shirley Sanders, 1985, *Part-time Assistant Professor of Mathematics*
- B.S., West Virginia University; M.B.A., The George Washington University; Ph.D., University of North Carolina
- Roger S. Shore, Jr., 1985, *Instructor in Mathematics and Computer Information Science*
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- Martin L. Sholtzberger, 1980, *Jefferson-Pilot Professor of Business Administration*
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- Martha B. Smith (1964\*), 1970, *Professor of English*
- A.B., Winthrop College; M.A., Presbyterian School of Christian Education
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B.S., Florida State University; M.Ed., Springfield College
- John G. Sullivan, 1970, *Maude Sharpe Powell Professor of Philosophy*  
B.A., M.A., Catholic University; J.C.D., Lateran University; Ph.D., University of North Carolina
- George A. Taylor, 1979, *Associate Professor of Political Science and Public Administration*  
B.S., Baptist College of Charleston; M.A., Ph.D., University of Georgia
- Stephen G. Ten Eyck, 1985, *Assistant Professor of Fine Arts*  
B.S., Eastern Nazarene College; M.Mus., Southern Methodist University; Ph.D., Florida State University
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B.S., Georgia State College for Women; M.Ed., University of North Carolina; M.T., ASCP
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B.S., M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro
- James T. Toney, 1960, *Associate Professor of Economics; Chairman, Department of Economics*  
B.S., M.A., Appalachian State University; Graduate Studies, Teachers College, Columbia University; University of Colorado; Memphis State University
- Carole W. Troxler, 1971, *Associate Professor of History*  
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- George W. Troxler, 1971, *Professor of History; Coordinator of Cultural Programs*  
A.B., Guilford College; M.A., Ph.D., University of North Carolina
- Whitney G. Vanderwerff, 1982, *Assistant Professor of English; Director of Composition; Director of Writing Across the Curriculum*  
A.B., Hollins College; M.A.T., Converse College; Ph.D., University of North Carolina at Greensboro
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A.B., Elon College; M.L.S., University of North Carolina
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B.A., Louisiana Technical University; M.A., Ph.D., University of North Carolina
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- Linda T. Weavil, 1973, *Associate Professor of Office Administration and Business Administration*  
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- Kenneth E. Webber, 1983, *Assistant Professor of Military Science*  
 B.S., U.S. Military Academy, West Point; Major, U.S. Army
- Alan Weinberg, 1985, *Assistant Professor of Music*  
 B.M., M.M., Temple University College of Music; D.Mus., Indiana University
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 B.Mus., Syracuse University; M.Mus., Cincinnati Conservatory of Music; Ph.D., University of North Carolina
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- Craig White, 1985, *Part-time Instructor in Journalism and Communications*  
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 B.S., Concord College; M.Ed., University of North Carolina; D.A., New York University
- M. Christopher White, 1972, *Professor of Religion; Vice President for Academic and Student Affairs*  
 A.B., Mercer University; M.Div., Southern Baptist Theological Seminary; Ph.D., Emory University
- Ellen B. Williams, 1985, *Assistant Professor of Music*  
 B.A., Meredith College; M.M., New England Conservatory of Music; Doctoral Studies, Florida State University
- Jo W. Williams, 1969, *Associate Professor of Education; Vice President for Development*  
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- Robert Beresford Williams, 1983, *Assistant Professor of Economics*  
 B.S.B.A., University of Denver; Ph.D., University of North Carolina
- G. Dee Willis, 1984, *Part-time Assistant Professor of Accounting*  
 B.B.A., Memphis State University; M.B.A., University of Alabama at Tuscaloosa; C.P.A.
- Teresa L. Wilson, 1981, *Assistant Professor; Assistant Librarian for Public Services*  
 B.A., M.S., University of North Carolina
- William G. Wood, II, 1984, *Assistant Professor of Business Administration; Associate Director of M.B.A. Program*

- B.A., Lenoir-Rhyne College; M.Div., Lutheran Theological Southern Seminary; M.E., Ph.D., University of Virginia  
Ann M. Wooten, 1984, *Assistant Professor of Education*  
B.S., M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro  
Robert A. Wortham, 1985, *Part-time Instructor in Religion*  
B.A., Elon College; Doctoral Studies, Emory University  
James Fred Young, 1973, *Professor of Education; President*  
A.A., Mars Hill Junior College; B.S., Wake Forest University; M.A., University of North Carolina; Ed.D., Columbia University; Graduate Studies, Appalachian State University; East Carolina University; University of Virginia  
Rudolph T. Zarzar, 1967, *Associate Professor of Political Science*  
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### **Administrative Officers and Staff**

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Carol Oakley, *Secretary to the Vice President for Academic and Student Affairs*  
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Robert G. Anderson, B.A., M.A., *Assistant to the President*  
Robert C. Baxter, A.B., J.D., *College Attorney*

### **Academic Affairs**

Gerald L. Francis, B.S., M.A., Ph.D., *Dean of Academic Affairs*  
Martha H. Tingen, *Administrative Assistant to the Dean of Academic Affairs*  
William G. Rich, B.A., B.D., Ph.D., *Associate Dean of Academic Affairs*  
George W. Troxler, A.B., M.A., Ph.D., *Coordinator of Cultural Programs, Director of Continuing Education*  
W. Jennings Berry, Jr., A.B., M.A., *Director of Academic Advising*  
D. Brooks Cates, A.B., M.A., Ph.D., *Assistant Director of Academic Advising*  
Lela Faye Rich, B.A., M.A.T., *Director of Pre-Major Advising and Coordinator of Career Planning*  
Betsey P. Savage, A.A., B.A., *Director of Career Planning*  
Hornsby Howell, Jr., B.S., M.Ed., *Coordinator of Athletic Advising*  
Shirley Weatherston, *Secretary to the Academic Advising Center*  
Betty Covington, A.A., *Secretary to the Academic Advising Center*  
Karen S. Thompson, B.S., M.A., *Director of Placement*  
Deborah H. Wade, *Secretary to the Director of Experiential Education and the Director of Placement*  
R. Lamar Bland, B.A., M.A., Ph.D., *Director of Academic Honors Program*  
William F. Migniuolo, A.B., *Coordinator of the Academic Development Program*  
W. Ray Johnson, B.A., M.Ed., *Coordinator of Television Services*  
J. Michael Marr, B.A., Ph.D., *Director of the M.B.A. Program*  
William C. Wood, II, B.A., M.Div., M.E., Ph.D., *Associate Director of the M.B.A. Program*  
Barbara T. Plumblee, A.B., M.S., *Director of Academic Computing Services*  
Wesley G. Brogan, A.B., M.Div., M.Ed., Ph.D., *Director of M.Ed. Program*  
Whitney G. Vanderwerff, A.B., M.A.T., Ph.D., *Director of Composition and Writing Across the Curriculum*  
Lillian B. Pollock, *Faculty Secretary*  
Jamie D. Lewis, A.A.S., *Faculty Secretary*  
Brenda J. Cooper, *Faculty Secretary*  
Janie S. Morton, *Faculty Secretary*

### **Library/Learning Resources**

Plummer Alston Jones, Jr., B.Mus., M.S., *Head Librarian/Director of Learning Resources*

Priscilla L. Haworth, B.S., M.A., *Associate Director of Learning Resources*  
 Teresa L. Wilson, B.A., M.S.L.S., *Public Services/Reference Librarian*  
 Connie L. Keller, B.A., M.L.S., *Catalog Librarian*  
 Ann J. Vickers, B.A., M.L.S., *Catalog Librarian*  
 Gay W. Shepherd, A.A., B.S., M.L.S., *Reference/Bibliographic Instruction Librarian*

Margaret Jobe, B.S., M.R.E., *Public Services Assistant*  
 Margaret Zang, B.S., *Technical Services Assistant*  
 Diane B. Gill, B.A., M.A., *Special Collections Assistant*  
 Chris Fulkerson, B.A., *Media Specialist/Coordinator of Cable Television*  
 Terry M. Williams, B.A., *Media Technician*  
 William L. Jolly, *Media Technician*  
 Sally W. Powell, *Public Services Clerk*  
 Mary Ann Inabnit, *Public Services Clerk*  
 Carol S. Pace, A.A., B.A., M.C.E., *Technical Services Clerk*  
 Carolyn S. Marion, *Technical Services Clerk*  
 Lydia I. Berry, *Technical Services Clerk*  
 Nira W. Carter, *Technical Services Clerk*  
 Peggy K. Eliason, *LRC Public Services Clerk*

## **Student Affairs**

Ronald A. Klepcyk, B.S., M.Ed., *Dean of Student Affairs*  
 Ellen F. Gagnon, *Secretary to the Dean of Student Affairs*  
 Pat S. Morgan, B.S., M.A., *Associate Dean of Student Affairs*  
 Valerie K. Luko, B.A., M.A., *Associate Dean of Student Affairs*  
 Naola F. Fearrington, *Secretary to the Office of Student Affairs*  
 Richard W. McBride, B.S.Ed., M.Div., Th.M., *Chaplain and Coordinator of Counseling*  
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 Andrew L. Minnis, B.A., M.A., *Area Coordinator*  
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 Chester R. Robinson, B.A., M.S., M.A., *Area Coordinator*  
 Dottie Souder, A.A., B.S., M.A., *Area Coordinator*  
 Jonathan M. Whaley, B.A., M.A., *Area Coordinator*  
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 Robert Ellington, M.D., *College Physician*  
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## **Admissions and Financial Planning**

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 Barry Bradberry, A.B., M.Ed., *Associate Dean of Admissions and Financial Planning*  
 Kenneth L. Harper, A.B., M.Ed., *Director of Graduate Admissions*  
 Angela May, B.S., *Assistant Director of Admissions/Assistant to the Dean*  
 Jeff Hutto, B.S., *Associate Director of Financial Planning*



Gretchen Kasting, A.B., *Assistant Director of Admissions*  
 Jacqueline P. Matlock, *Assistant Director of Admissions*  
 Nancy Williams, A.B., *Assistant Director of Admissions*  
 Sherri Ward, A.S., A.B., *Assistant Director of Admissions*  
 Joseph Bradshaw, A.B., *Admissions Counselor*  
 Ray Covington, A.B., *Admissions Counselor*  
 Donald Doster, A.B., *Admissions and Financial Planning Counselor*  
 Donna Fitchett, B.A., *Admissions Counselor*  
 Clay Hassard, B.S., *Athletic Recruiter*  
 Marsha Boone, *Word Processing Supervisor*  
 Thelma Cheek, *Secretary, Admissions and Financial Planning*  
 Yvette Slade, *Assistant Supervisor of Word Processing*  
 Julia Tabor, *Admissions Receptionist*  
 Gwynne Warren, *Applications Clerk*  
 Annette L. Orbert, *Administrative Assistant of Financial Planning*

#### **Registrar's Office**

Mark R. Albertson, B.B.A., *Registrar*  
 Jerri Holloway, *Assistant Registrar*  
 Jane T. Fowler, *Assistant to the Registrar for Statistical Analysis*  
 Becky Harris, *Secretary to the Registrar*  
 Cheryl Whitesell, *Registration-Graduation Clerk*  
 Susan G. Phillips, *Data Entry Operator*  
 Lisa C. Kimbro, A.S., *Records Clerk*

#### **Development Office**

Jerry R. Tolley, B.S., M.A., Ed.D., *Associate Director of Development for Corporate and Annual Resources*  
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 William G. Long, A.B., M.A., M.Div., *Associate Director of Development for Alumni and Parent Relations*  
 Jeri Fitzgerald, B.S., M.Ed., Ed.D., *Director of Foundation Relations*  
 Brank Proffitt, B.S., M.A., Ph.D., *Director of Deferred Giving and Estate Planning*  
 Frances T. Stanley, *Coordinator of Alumni Giving*  
 Cindy Sykes, A.B., *Gift Records Coordinator*  
 Shirley B. Crawford, *Secretary for Alumni and Parent Relations*  
 Mary Elizabeth McCauley, *Secretary for Public Information and Estate Planning*

#### **Business Office**

Lorraine M. Allen, A.B., *Chief Accountant*  
 Susie B. Sanford, A.B., *Accountant*  
 Susan O'Leary, A.B., *Accountant*  
 Faye D. Conally, *Secretary to the Accounting Office*  
 Doris L. Maney, *Head Cashier*  
 Karen L. Hughes, *Assistant Cashier*  
 Marilyn E. Collins, *Clerk, Cashier's Office*  
 Kay Riddle, A.B., *Clerk, Cashier's Office*  
 Margaret G. Clapp, *Accounts Payable Clerk*  
 Cindy G. Baise, *Accounts Payable Data Entry Clerk*  
 Betty S. Maffeo, *Payroll Clerk*

Jane N. Carrico, B.S., *Personnel Officer, Accountant*  
 C. Conway Bayliff, Jr., B.A., *Director of Auxiliary Services*  
 Faye Y. Dennis, *Campus Shop Manager*  
 Vickie S. Martin, *Purchasing Officer*  
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 Jay Allred, *Programmer*  
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 Laura J. Bennett, *Print Shop Director*  
 Barbara Cox, *Print Shop Assistant*  
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### **Athletic Affairs**

Alan J. White, B.S., M.Ed., Ed.D., *Athletic Director*  
 E. Thomas Parham, B.S., M.Ed., *Assistant Athletic Director, Head Tennis Coach*  
 Lonnie Mack Carden, A.B., M.A., *Head Football Coach*  
 Martin H. Baker, B.S., M.S., *Athletic Trainer*  
 Stephen Ballard, B.S., M.A., *Men's and Women's Soccer Coach*  
 Robert A. Bailey, B.S., M.A.Ed., *Assistant Football Coach*  
 David L. Bodle, B.S., M.Ed., *Head Track Coach, Assistant Football Coach*  
 Bob Burton, B.A., M.S., *Head Basketball Coach*  
 Michael H. Howell Jr., B.S., M.Ed., *Assistant Football Coach, Assistant Track Coach*  
 Robert Guy Humphries, B.S., M.Ed., *Assistant Football Coach*  
 Robert D. Lindsey, B.S., M.S., *Assistant Football Coach*  
 C. Rick Jones, A.A., B.A., M.S., *Baseball Coach*  
 T. William Morningstar, A.B., M.A., *Golf Coach*  
 Jacquelyn Myers, B.S., M.A., *Women's Basketball and Tennis Coach*  
 Susan Ray, *Women's Volleyball and Softball Coach*  
 Doris Gilliam, *Secretary to the Athletic Department*  
 Andrea Albertson, *Secretary to the Athletic Department*  
 Martha Lou Harper, *Secretary to the Athletic Department*  
 Kyle Wills, A.B., *Supervisor of Athletic Facilities, Equipment/Student manager*  
 Jim Richardson, *Wrestling Coach (Part-time)*

### **Physical Plant**

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 Donna H. DeWoody, *Secretary to the Director of Physical Plant*  
 Stanley Greeson, *Superintendent of Buildings*  
 Margaret C. O'Connell, *Executive Housekeeper*  
 Andrew Carroll, *Assistant Executive Housekeeper*  
 Allen Smith, *College Engineer*  
 Lloyd Routh, *Supervisor of Grounds*  
 Paul Holt, *College Electrician*  
 Steve Holt, *Telephone Technician*

### **Publications**

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**Retired Faculty and Administration**

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 Durward T. Stokes, A.B., M.A., Ph.D., *Professor of History*  
 Lucile C. Stone, A.B., M.Ed., *Associate Professor of Education*  
 Arnold C. Strauch, B.S., M.A., Ed.D., *Professor of Education*  
 W. B. Terrell, A.B., *Alumni Secretary*  
 Frederic T. Watts Jr., B.S., M.S., Ph.D., *Professor of Political Science*  
 Walter Westafer, B.Mus., M.Mus., Ph.D., *Professor of Music*  
 Jack O. White, B.S., M.Ed., D.A., *Professor of Music*  
 Jeanne F. Williams, B.S., M.S., *Associate Professor of Statistics and Mathematics*

## Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

*Biomedical Reference Laboratory Program.* Established to support the Medical Technology Program.

*Boone Memorial Fund.* Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Morning Boone.

*James H. R. Booth Endowment Fund.* This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

*George R. Chandler Endowment Fund.* George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

*Thomas W. and Mary Watson Chandler Endowment Fund.* This fund was established by a gift from Mrs. Chandler.

*Civil War Collection Endowment Fund.* To maintain Civil War Collection given by Hubert McLendon.

*The Daniels-Danieley Award.* The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

*Elbert and Esther Fertig DeCoursey Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

*Dofflemeyer Fund.* Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemeyer by their children.

*Elon College Community Orchestra Endowment Fund.* Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

*George Joseph Fertig Fund.* Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

*D. R. Fonville, Sr. Fund.* A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

*Ford Endowment.* The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

*Ella V. Gray Memorial Fund.* Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

*The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry.* Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

*The Jefferson-Pilot Professorship.* This fund was established by the Jefferson-Pilot Corporation, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

*Kernodle Foundation.* A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.



*John T. Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

*Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund.* Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

*Virginia Beale Kernodle Memorial Fund.* The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

*The Martha and Spencer Love School of Business Fund.* Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

*Iris Holt McEwen Community Service Award.* Established by members of Mrs. McEwen's family, this award honors the late trustee by providing cash awards to students each year for college expenses and the charity of the student's choice.

*The James H. McEwen, Jr. Endowment Fund for the Fine Arts.* Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

*Francis Asbury Palmer Fund.* This fund was established by Francis Asbury Palmer of New York.

*Maude Sharpe Powell Professorship.* Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

*The Thomas Edward Powell, Jr. Professorship of Biology.* Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

*Ferris E. Reynolds Lectureship.* To fund an annual lecture arrangement by members of the Department of Philosophy.

*Oscar F. Smith Memorial Fund.* A bequest from the estate of Oscar Frommel Smith of Norfolk, Va., who served as a trustee of the College.

*William Watson Sellers Endowment Fund.* This fund was created in memory of William Watson Sellers, Elon College alumnus and former member of the Board of Trustees.

*L. L. Vaughan Fund.* A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

*Drusilla Dofflemeyer Voorhees Fund.* Created in honor of Drusilla Dofflemeyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

*Wachovia Fund for Excellence.* To provide unrestricted support to Elon College.

*The Walter and Dorothy Westafer Fund for the Fine Arts.* Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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# COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

## **President**

- General Information

## **Vice President for Academic and Student Affairs**

- Academic and student affairs policy
- Long-range plans

## **Dean of Academic Affairs**

- Academic program
- Academic work of students in college
- Faculty position
- Special programs

## **Dean of Admissions and Financial Planning**

- Admissions
- Requests for applications, catalogs or bulletins
- Scholarships, student loan funds, and work jobs

## **Dean of Student Affairs**

- Housing
- Student Affairs

## **Vice President for Administrative Services**

- Payment of student accounts
- Inquiries concerning expenses

## **Vice President for Development**

- Public relations
- Contributions, gifts or bequests
- Estate planning

## **Director of Placement**

- Career options for students
- Employment of seniors and alumni

## **Registrar**

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

## **Director of Alumni and Parent Relations**

- Alumni affairs
- Parent relations



## Notes



# ELON COLLEGE

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Office of Admissions and Financial Planning  
Elon College, North Carolina 27244-2010

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